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ABSTRACT

The Anchor Test Study provides a method for translating a pupil's score on any one of eight widely used standardized reading tests for Grades 4, 5, and 6 to a corresponding score of any of the other seven tests, as well as furnishing new nationally representative norms for each of the eight tests. In addition, the Study presents new estimates of alternate form reliability for each test, provides estimates of the intercorrelations among the tests, and explores empirically some methodological questions in test-equating. Included in this volume of the Study are equating tables, tables of estimates of equating error, and correlation tables for Grade 4 in vocabulary, reading comprehension, and total reading. Linear and equipercntile equating methods are used. Data are reported for the following seven tests: California Achievement Tests (1970), Comprehensive Tests of Basic Skills (1968), Iowa Test of Basic Skills (1971), Metropolitan Achievement Tests (1970), Sequential Tests of Educational Progress (1969), SRA Achievement Series (1971), and Stanford Achievement Tests (1964). Equating and norming data on the eighth test in the Study, the Gates MacGinitie (1964), are included in volumes 31, 32, and 33 of the Anchor Test Study. (RC)

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anchor test study

FINAL REPORT

VOLUME II

*EQUATING TABLES, ERROR OF
EQUATING, AND CORRELATIONS*

Grade 4

December 1972



**EDUCATIONAL TESTING SERVICE
PRINCETON, NEW JERSEY**

BERKELEY, CALIFORNIA

TM 003 786



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ORGANIZATION OF VOLUME II

EQUATING TABLES AT GRADE 4: VOCABULARY

Procedure 1: Linear Method
Procedure 1: Equipercentile Method
Procedure 2: Linear Method
Procedure 2: Equipercentile Method
Procedure 3: Linear Method
Procedure 3: Equipercentile Method
Average of Procedures 1 and 2: Linear Method
Average of Procedures 1 and 2: Equipercentile Method

EQUATING TABLES AT GRADE 4: READING COMPREHENSION

Procedure 1: Linear Method
Procedure 1: Equipercentile Method
Procedure 2: Linear Method
Procedure 2: Equipercentile Method
Procedure 3: Linear Method
Procedure 3: Equipercentile Method
Average of Procedures 1 and 2: Linear Method
Average of Procedures 1 and 2: Equipercentile Method

EQUATING TABLES AT GRADE 4: TOTAL READING

Procedure 1: Linear Method
Procedure 1: Equipercentile Method
Procedure 2: Linear Method
Procedure 2: Equipercentile Method
Procedure 3: Linear Method
Procedure 3: Equipercentile Method
Average of Procedures 1 and 2: Linear Method
Average of Procedures 1 and 2: Equipercentile Method

TABLES OF ESTIMATES OF EQUATING ERROR: GRADE 4

Estimates of Error of Equating: Vocabulary
Estimates of Error of Equating: Reading Comprehension
Estimates of Error of Equating: Total Reading

TABLES OF CORRELATIONS: GRADE 4

LIST OF EQUATING TABLES AT GRADE 4
VOCABULARY

| <u>Methods</u> | <u>Tests</u> | <u>Table Numbers</u> |
|--|-------------------|----------------------|
| Procedure 1: Linear Method | CAT | 1 |
| | CTBS | 2 |
| | ITBS | 3 |
| | MAT | 4 |
| | STEP II | 5 |
| | SRA | 6 |
| | SAT | 7 |
| Procedure 1: Equipercentile Method | CAT | 8 |
| | CTBS | 9 |
| | ITBS | 10 |
| | MAT | 11 |
| | STEP II | 12 |
| | SRA | 13 |
| | SAT | 14 |
| Procedure 2: Linear Method | CAT | 15 |
| | CTBS | 16 |
| | ITBS | 17 |
| | MAT | 18 |
| | STEP II | 19 |
| | SRA | 20 |
| | SAT | 21 |
| Procedure 2: Equipercentile Method | CAT | 22 |
| | CTBS | 23 |
| | ITBS | 24 |
| | MAT | 25 |
| | STEP II | 26 |
| | SRA | 27 |
| | SAT | 28 |
| Procedure 3: Linear Method | CAT | 29 |
| | CTBS | 30 |
| | ITBS | 31 |
| | MAT | 32 |
| | STEP II | 33 |
| | SRA | 34 |
| | SAT | 35 |
| Procedure 3: Equipercentile Method | CAT | 36 |
| | CTBS | 37 |
| | ITBS | 38 |
| | MAT | 39 |
| | STEP II | 40 |
| | SRA | 41 |
| | SAT | 42 |
| Average of Procedures 1 and 2 Linear Method | CAT | 43 |
| | CTBS | 44 |
| | ITBS | 45 |
| | MAT | 46 |
| | STEP II | 47 |
| | SRA | 48 |
| | SAT | 49 |
| Average of Procedures 1 and 2 Equipercentile Method | CAT | 50 |
| | CTBS | 51 |
| | ITBS | 52 |
| | MAT | 53 |
| | STEP II | 54 |
| | SRA | 55 |
| | SAT | 56 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 1, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CT35 (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|---|--|---|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 40 | 61 | 31 | 44 | 36 | |
| 39 | 39 | 60 | 30 | 43 | 35 | |
| 38 | 38 | 59 | 30 | 42 | 34 | |
| 37 | 37 | 57 | 29 | 41 | 34 | |
| 36 | 36 | 56 | 28 | 40 | 33 | |
| 35 | 35 | 54 | 27 | 39 | 32 | |
| 34 | 34 | 53 | 27 | 37 | 31 | |
| 33 | 33 | 52 | 26 | 36 | 30 | |
| 32 | 32 | 50 | 25 | 35 | 29 | |
| 31 | 31 | 49 | 25 | 34 | 28 | |
| 30 | 30 | 48 | 24 | 33 | 27 | |
| 29 | 29 | 46 | 23 | 32 | 26 | |
| 28 | 28 | 45 | 23 | 31 | 25 | |
| 27 | 27 | 43 | 22 | 29 | 24 | |
| 26 | 26 | 42 | 21 | 28 | 23 | |
| 25 | 25 | 41 | 20 | 27 | 22 | |
| 24 | 24 | 39 | 20 | 26 | 21 | |
| 23 | 23 | 38 | 19 | 25 | 21 | |
| 22 | 22 | 37 | 18 | 24 | 20 | |
| 21 | 21 | 35 | 18 | 22 | 19 | |
| 20 | 20 | 34 | 17 | 21 | 18 | |
| 19 | 19 | 32 | 16 | 20 | 17 | |
| 18 | 18 | 31 | 16 | 19 | 16 | |
| 17 | 17 | 30 | 15 | 18 | 15 | |
| 16 | 16 | 28 | 14 | 17 | 14 | |
| 15 | 15 | 27 | 13 | 15 | 13 | |
| 14 | 14 | 26 | 13 | 14 | 12 | |
| 13 | 13 | 24 | 12 | 13 | 11 | |
| 12 | 12 | 23 | 11 | 12 | 10 | |
| 11 | 11 | 21 | 11 | 11 | 9 | |
| 10 | 10 | 20 | 10 | 10 | 9 | |
| 9 | 9 | 19 | 9 | 9 | 8 | |
| 8 | 8 | 17 | 9 | 7 | 7 | |
| 7 | 7 | 16 | 8 | 6 | 6 | |
| 6 | 6 | 15 | 7 | 5 | 5 | |
| 5 | 5 | 13 | 6 | 4 | 4 | |
| 4 | 4 | 12 | 6 | 3 | 3 | |
| 3 | 3 | 10 | 5 | 2 | 2 | |
| 2 | 2 | 9 | 4 | 1 | 1 | |
| 1 | 1 | 8 | 4 | 0 | 0 | |
| 0 | 0 | 6 | 3 | 0 | 0 | |

TABLE 2. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 1, LINEAR METHOD

| CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|---|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 38 | 37 | 58 | 29 | 42 | 34 |
| 39 | 37 | 36 | 57 | 29 | 40 | 33 |
| 38 | 36 | 35 | 55 | 28 | 39 | 32 |
| 37 | 35 | 34 | 54 | 27 | 38 | 31 |
| 36 | 34 | 33 | 53 | 27 | 37 | 30 |
| 35 | 33 | 32 | 51 | 26 | 36 | 29 |
| 34 | 32 | 31 | 50 | 25 | 35 | 29 |
| 33 | 31 | 30 | 49 | 24 | 34 | 28 |
| 32 | 30 | 29 | 47 | 24 | 32 | 27 |
| 31 | 29 | 28 | 46 | 23 | 31 | 26 |
| 30 | 28 | 27 | 44 | 22 | 30 | 25 |
| 29 | 27 | 26 | 43 | 22 | 29 | 24 |
| 28 | 26 | 25 | 42 | 21 | 28 | 23 |
| 27 | 25 | 24 | 40 | 20 | 27 | 22 |
| 26 | 24 | 23 | 39 | 20 | 26 | 21 |
| 25 | 23 | 22 | 38 | 19 | 24 | 20 |
| 24 | 22 | 21 | 36 | 18 | 23 | 19 |
| 23 | 21 | 20 | 35 | 18 | 22 | 19 |
| 22 | 20 | 19 | 34 | 17 | 21 | 18 |
| 21 | 19 | 18 | 32 | 16 | 20 | 17 |
| 20 | 18 | 17 | 31 | 15 | 19 | 16 |
| 19 | 17 | 16 | 29 | 15 | 18 | 15 |
| 18 | 16 | 15 | 28 | 14 | 16 | 14 |
| 17 | 15 | 14 | 27 | 13 | 15 | 13 |
| 16 | 14 | 13 | 25 | 13 | 14 | 12 |
| 15 | 13 | 12 | 24 | 12 | 13 | 11 |
| 14 | 12 | 11 | 23 | 11 | 12 | 10 |
| 13 | 11 | 10 | 21 | 11 | 11 | 9 |
| 12 | 10 | 9 | 20 | 10 | 10 | 8 |
| 11 | 9 | 8 | 19 | 9 | 9 | 8 |
| 10 | 8 | 7 | 17 | 9 | 7 | 7 |
| 9 | 7 | 6 | 16 | 8 | 6 | 6 |
| 8 | 6 | 5 | 15 | 7 | 5 | 5 |
| 7 | 5 | 4 | 13 | 6 | 4 | 4 |
| 6 | 4 | 3 | 12 | 6 | 3 | 3 |
| 5 | 3 | 2 | 10 | 5 | 2 | 2 |
| 4 | 2 | 1 | 9 | 4 | 1 | 1 |
| 3 | 1 | 0 | 8 | 4 | 1 | 0 |
| 2 | 0 | -1 | 6 | 3 | -1 | -1 |
| 1 | -1 | -2 | 5 | 2 | -2 | -2 |
| 0 | -2 | -3 | 4 | 2 | -3 | -3 |

TABLE 3. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 1, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | CAT (70 ED.) LEVEL 2 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|---|---|--|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 41 | 59 | 30 | 42 | 35 | 35 |
| 37 | 40 | 58 | 29 | 41 | 34 | 34 |
| 36 | 39 | 56 | 28 | 40 | 33 | 33 |
| 35 | 38 | 55 | 27 | 39 | 32 | 32 |
| 34 | 37 | 54 | 26 | 38 | 31 | 31 |
| 33 | 36 | 52 | 25 | 37 | 30 | 30 |
| 32 | 35 | 51 | 24 | 36 | 29 | 29 |
| 31 | 34 | 50 | 23 | 35 | 28 | 28 |
| 30 | 33 | 48 | 22 | 34 | 27 | 27 |
| 29 | 32 | 47 | 21 | 33 | 26 | 26 |
| 28 | 31 | 45 | 20 | 32 | 25 | 25 |
| 27 | 30 | 44 | 19 | 31 | 24 | 24 |
| 26 | 29 | 43 | 18 | 30 | 23 | 23 |
| 25 | 28 | 41 | 17 | 29 | 22 | 22 |
| 24 | 27 | 40 | 16 | 28 | 21 | 21 |
| 23 | 26 | 39 | 15 | 27 | 20 | 20 |
| 22 | 25 | 37 | 14 | 26 | 19 | 19 |
| 21 | 24 | 36 | 13 | 25 | 18 | 18 |
| 20 | 23 | 35 | 12 | 24 | 17 | 17 |
| 19 | 22 | 33 | 11 | 23 | 16 | 16 |
| 18 | 21 | 32 | 10 | 22 | 15 | 15 |
| 17 | 20 | 31 | 9 | 21 | 14 | 14 |
| 16 | 19 | 29 | 8 | 20 | 13 | 13 |
| 15 | 18 | 28 | 7 | 19 | 12 | 12 |
| 14 | 17 | 26 | 6 | 18 | 11 | 11 |
| 13 | 16 | 25 | 5 | 17 | 10 | 10 |
| 12 | 15 | 24 | 4 | 16 | 9 | 9 |
| 11 | 14 | 22 | 3 | 15 | 8 | 8 |
| 10 | 13 | 21 | 2 | 14 | 7 | 7 |
| 9 | 12 | 20 | 1 | 13 | 6 | 6 |
| 8 | 11 | 18 | 0 | 12 | 5 | 5 |
| 7 | 10 | 17 | | 11 | 4 | 4 |
| 6 | 9 | 16 | | 10 | 3 | 3 |
| 5 | 8 | 14 | | 9 | 2 | 2 |
| 4 | 7 | 13 | | 8 | 1 | 1 |
| 3 | 6 | 12 | | 7 | 0 | 0 |
| 2 | 5 | 10 | | 6 | | |
| 1 | 4 | 9 | | 5 | | |
| 0 | 3 | 8 | | 4 | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 1, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|--------------------------------------|---|--|---|--|--|--|-----------|------------------|------------------|------------------|------------------|------------------|
| | | | | | | | | | | | | |
| 50 | 32 | 34 | 31 | 25 | 35 | 29 | | | | | | |
| 49 | 31 | 33 | 31 | 25 | 34 | 28 | | | | | | |
| 48 | 30 | 33 | 30 | 24 | 33 | 27 | | | | | | |
| 47 | 30 | 32 | 29 | 24 | 32 | 27 | | | | | | |
| 46 | 29 | 31 | 28 | 23 | 32 | 26 | | | | | | |
| 45 | 28 | 30 | 28 | 23 | 31 | 25 | | | | | | |
| 44 | 27 | 30 | 27 | 22 | 30 | 25 | | | | | | |
| 43 | 27 | 29 | 26 | 22 | 29 | 24 | | | | | | |
| 42 | 26 | 28 | 26 | 21 | 28 | 23 | | | | | | |
| 41 | 25 | 28 | 25 | 21 | 27 | 23 | | | | | | |
| 40 | 25 | 27 | 24 | 20 | 26 | 22 | | | | | | |
| 39 | 24 | 26 | 23 | 20 | 26 | 21 | | | | | | |
| 38 | 23 | 25 | 23 | 19 | 25 | 21 | | | | | | |
| 37 | 22 | 25 | 22 | 19 | 24 | 20 | | | | | | |
| 36 | 22 | 24 | 21 | 18 | 23 | 19 | | | | | | |
| 35 | 21 | 23 | 20 | 18 | 22 | 19 | | | | | | |
| 34 | 20 | 22 | 20 | 17 | 21 | 18 | | | | | | |
| 33 | 19 | 22 | 19 | 17 | 21 | 17 | | | | | | |
| 32 | 19 | 21 | 18 | 16 | 20 | 17 | | | | | | |
| 31 | 18 | 20 | 17 | 16 | 19 | 16 | | | | | | |
| 30 | 17 | 19 | 17 | 15 | 18 | 15 | | | | | | |
| 29 | 17 | 19 | 16 | 15 | 17 | 15 | | | | | | |
| 28 | 16 | 18 | 15 | 14 | 16 | 14 | | | | | | |
| 27 | 15 | 17 | 14 | 14 | 16 | 13 | | | | | | |
| 26 | 14 | 17 | 14 | 13 | 15 | 13 | | | | | | |
| 25 | 14 | 16 | 13 | 13 | 14 | 12 | | | | | | |
| 24 | 13 | 15 | 12 | 12 | 13 | 11 | | | | | | |
| 23 | 12 | 14 | 12 | 11 | 12 | 11 | | | | | | |
| 22 | 12 | 14 | 11 | 11 | 11 | 10 | | | | | | |
| 21 | 11 | 13 | 10 | 10 | 11 | 9 | | | | | | |
| 20 | 10 | 12 | 9 | 10 | 10 | 9 | | | | | | |
| 19 | 9 | 11 | 9 | 9 | 9 | 8 | | | | | | |
| 18 | 9 | 11 | 8 | 8 | 8 | 7 | | | | | | |
| 17 | 8 | 10 | 7 | 8 | 7 | 7 | | | | | | |
| 16 | 7 | 9 | 6 | 8 | 6 | 6 | | | | | | |
| 15 | 6 | 8 | 6 | 7 | 6 | 5 | | | | | | |
| 14 | 6 | 8 | 5 | 7 | 5 | 4 | | | | | | |
| 13 | 5 | 7 | 4 | 6 | 4 | 4 | | | | | | |
| 12 | 4 | 6 | 3 | 6 | 3 | 3 | | | | | | |
| 11 | 4 | 6 | 3 | 5 | 2 | 2 | | | | | | |
| 10 | 3 | 5 | 2 | 5 | 1 | 2 | | | | | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 1, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 9 | 2 | 4 | 1 | 4 | 1 | 1 |
| 8 | 1 | 3 | 0 | 4 | 0 | 0 |
| 7 | 1 | 3 | 0 | 3 | - 1 | 0 |
| 6 | 0 | 2 | - 1 | 3 | - 2 | - 1 |
| 5 | - 1 | 1 | - 2 | 2 | - 3 | - 2 |
| 4 | - 2 | 0 | - 3 | 2 | - 4 | - 2 |
| 3 | - 3 | 0 | - 3 | 1 | - 5 | - 3 |
| 2 | - 3 | - 1 | - 4 | 1 | - 5 | - 4 |
| 1 | - 4 | - 2 | - 5 | 0 | - 6 | - 4 |
| 0 | - 4 | - 3 | - 5 | 0 | - 7 | - 5 |

TABLE 5. ANCHOR TEST EQUATING STUDY: GRADE 4

JENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES : I (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART I (VOCABULARY)

PROCEDURE I, LINEAR METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 30 | 41 | 38 | 60 | 43 | 35 | |
| 29 | 40 | 37 | 41 | 34 | 34 | |
| 28 | 38 | 36 | 56 | 40 | 32 | |
| 27 | 37 | 34 | 54 | 38 | 31 | |
| 26 | 35 | 33 | 52 | 36 | 30 | |
| 25 | 34 | 31 | 50 | 35 | 28 | |
| 24 | 32 | 30 | 48 | 33 | 27 | |
| 23 | 31 | 28 | 46 | 31 | 26 | |
| 22 | 30 | 27 | 44 | 30 | 25 | |
| 21 | 28 | 25 | 42 | 28 | 23 | |
| 20 | 27 | 24 | 40 | 26 | 22 | |
| 19 | 25 | 23 | 38 | 25 | 21 | |
| 18 | 24 | 21 | 36 | 23 | 19 | |
| 17 | 22 | 20 | 34 | 21 | 18 | |
| 16 | 21 | 19 | 32 | 20 | 17 | |
| 15 | 19 | 17 | 30 | 18 | 15 | |
| 14 | 18 | 15 | 28 | 16 | 14 | |
| 13 | 17 | 14 | 26 | 15 | 13 | |
| 12 | 15 | 12 | 24 | 13 | 11 | |
| 11 | 14 | 11 | 22 | 12 | 10 | |
| 10 | 12 | 9 | 20 | 10 | 9 | |
| 9 | 11 | 8 | 18 | 8 | 7 | |
| 8 | 9 | 7 | 16 | 7 | 6 | |
| 7 | 8 | 5 | 14 | 5 | 5 | |
| 6 | 6 | 4 | 12 | 3 | 3 | |
| 5 | 5 | 2 | 10 | 2 | 2 | |
| 4 | 4 | 1 | 8 | 0 | 1 | |
| 3 | 2 | - 1 | 6 | - 2 | - 1 | |
| 2 | 1 | - 2 | 4 | - 3 | - 2 | |
| 1 | - 1 | - 4 | 3 | - 5 | - 3 | |
| 0 | - 4 | - 5 | 1 | - 7 | - 5 | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 1, LINEAR METHOD

| SRA (71 ED.) BLUE FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (54 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 47 | 38 | 40 | 38 | 59 | 30 | 34 |
| 41 | 37 | 40 | 37 | 57 | 29 | 34 |
| 40 | 36 | 39 | 36 | 56 | 28 | 33 |
| 39 | 35 | 38 | 35 | 55 | 28 | 32 |
| 38 | 35 | 37 | 34 | 54 | 27 | 31 |
| 37 | 34 | 36 | 33 | 53 | 27 | 30 |
| 36 | 33 | 35 | 32 | 51 | 26 | 30 |
| 35 | 32 | 34 | 32 | 50 | 25 | 29 |
| 34 | 31 | 33 | 31 | 49 | 25 | 28 |
| 33 | 30 | 33 | 30 | 48 | 24 | 27 |
| 32 | 29 | 32 | 29 | 47 | 23 | 26 |
| 31 | 29 | 31 | 28 | 45 | 23 | 26 |
| 30 | 28 | 30 | 27 | 44 | 22 | 25 |
| 29 | 27 | 29 | 26 | 43 | 22 | 24 |
| 28 | 26 | 28 | 25 | 42 | 21 | 23 |
| 27 | 25 | 27 | 25 | 41 | 20 | 22 |
| 26 | 24 | 26 | 24 | 40 | 20 | 22 |
| 25 | 23 | 26 | 23 | 38 | 19 | 21 |
| 24 | 22 | 25 | 22 | 37 | 19 | 20 |
| 23 | 22 | 24 | 21 | 36 | 18 | 19 |
| 22 | 21 | 23 | 20 | 35 | 17 | 18 |
| 21 | 20 | 22 | 19 | 34 | 17 | 18 |
| 20 | 19 | 21 | 18 | 32 | 16 | 17 |
| 19 | 18 | 20 | 18 | 31 | 16 | 16 |
| 18 | 17 | 19 | 17 | 30 | 15 | 15 |
| 17 | 16 | 19 | 16 | 29 | 14 | 14 |
| 16 | 16 | 18 | 15 | 28 | 14 | 14 |
| 15 | 15 | 17 | 14 | 26 | 13 | 13 |
| 14 | 14 | 16 | 13 | 25 | 13 | 12 |
| 13 | 13 | 15 | 12 | 24 | 12 | 11 |
| 12 | 12 | 14 | 11 | 23 | 11 | 10 |
| 11 | 11 | 13 | 10 | 22 | 11 | 10 |
| 10 | 10 | 12 | 10 | 20 | 10 | 9 |
| 9 | 9 | 12 | 9 | 19 | 10 | 8 |
| 8 | 8 | 11 | 8 | 18 | 9 | 7 |
| 7 | 7 | 10 | 7 | 17 | 8 | 6 |
| 6 | 6 | 9 | 6 | 16 | 8 | 6 |
| 5 | 5 | 8 | 5 | 14 | 7 | 5 |
| 4 | 4 | 7 | 4 | 13 | 7 | 4 |
| 3 | 3 | 6 | 3 | 12 | 6 | 3 |
| 2 | 2 | 5 | 3 | 11 | 5 | 2 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 1, LINEAR METHOD

| SRA (71 ED.) BLUE FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | 3 | 5 | 2 | 10 | 5 | 2 |
| 0 | 2 | 4 | 1 | 9 | 4 | 1 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR WORD MEANING

PROCEDURE 1, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | CAT (76 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | | ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | |
|--|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 42 | 44 | 42 | 42 | 64 | 32 | 47 | | | | | |
| 37 | 41 | 43 | 41 | 41 | 63 | 32 | 45 | | | | | |
| 36 | 40 | 42 | 40 | 40 | 61 | 31 | 44 | | | | | |
| 35 | 39 | 41 | 38 | 38 | 60 | 30 | 43 | | | | | |
| 34 | 38 | 40 | 37 | 37 | 58 | 29 | 42 | | | | | |
| 33 | 37 | 39 | 36 | 36 | 57 | 29 | 40 | | | | | |
| 32 | 35 | 38 | 35 | 35 | 55 | 28 | 39 | | | | | |
| 31 | 34 | 37 | 34 | 34 | 54 | 27 | 38 | | | | | |
| 30 | 33 | 36 | 33 | 33 | 52 | 26 | 37 | | | | | |
| 29 | 32 | 35 | 32 | 32 | 51 | 25 | 35 | | | | | |
| 28 | 31 | 33 | 31 | 31 | 49 | 25 | 34 | | | | | |
| 27 | 30 | 32 | 30 | 30 | 48 | 24 | 33 | | | | | |
| 26 | 29 | 31 | 29 | 29 | 46 | 23 | 32 | | | | | |
| 25 | 28 | 30 | 27 | 27 | 45 | 22 | 30 | | | | | |
| 24 | 27 | 29 | 26 | 26 | 43 | 22 | 29 | | | | | |
| 23 | 26 | 28 | 25 | 25 | 42 | 21 | 28 | | | | | |
| 22 | 25 | 27 | 24 | 24 | 40 | 20 | 27 | | | | | |
| 21 | 24 | 26 | 23 | 23 | 39 | 19 | 25 | | | | | |
| 20 | 23 | 25 | 22 | 22 | 37 | 19 | 24 | | | | | |
| 19 | 21 | 24 | 21 | 21 | 36 | 18 | 23 | | | | | |
| 18 | 20 | 23 | 20 | 20 | 34 | 17 | 22 | | | | | |
| 17 | 19 | 21 | 19 | 19 | 33 | 16 | 20 | | | | | |
| 16 | 18 | 20 | 18 | 18 | 31 | 16 | 19 | | | | | |
| 15 | 17 | 19 | 16 | 16 | 30 | 15 | 18 | | | | | |
| 14 | 16 | 18 | 15 | 15 | 28 | 14 | 17 | | | | | |
| 13 | 15 | 17 | 14 | 14 | 27 | 13 | 15 | | | | | |
| 12 | 14 | 16 | 13 | 13 | 25 | 13 | 14 | | | | | |
| 11 | 13 | 15 | 12 | 12 | 24 | 12 | 13 | | | | | |
| 10 | 12 | 14 | 11 | 11 | 22 | 12 | 12 | | | | | |
| 9 | 11 | 13 | 10 | 10 | 21 | 10 | 10 | | | | | |
| 8 | 10 | 12 | 9 | 9 | 19 | 10 | 9 | | | | | |
| 7 | 8 | 11 | 8 | 8 | 18 | 9 | 8 | | | | | |
| 6 | 7 | 9 | 7 | 7 | 16 | 8 | 7 | | | | | |
| 5 | 6 | 8 | 5 | 5 | 15 | 7 | 5 | | | | | |
| 4 | 5 | 7 | 4 | 4 | 13 | 7 | 4 | | | | | |
| 3 | 4 | 6 | 3 | 3 | 12 | 6 | 3 | | | | | |
| 2 | 3 | 5 | 2 | 2 | 10 | 5 | 2 | | | | | |
| 1 | 2 | 4 | 1 | 1 | 9 | 4 | 0 | | | | | |
| 0 | 1 | 3 | 0 | 0 | 7 | 4 | 1 | | | | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 1, EQUIPER ENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|---|--|---|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 38 | 50 | 30 | 42 | 38 | |
| 39 | 37 | 50 | 29 | 42 | 36 | |
| 38 | 37 | 50 | 28 | 41 | 35 | |
| 37 | 36 | 49 | 28 | 40 | 34 | |
| 36 | 35 | 49 | 27 | 39 | 33 | |
| 35 | 34 | 48 | 27 | 39 | 32 | |
| 34 | 33 | 48 | 26 | 36 | 31 | |
| 33 | 33 | 47 | 25 | 37 | 30 | |
| 32 | 32 | 47 | 25 | 36 | 29 | |
| 31 | 31 | 46 | 24 | 35 | 28 | |
| 30 | 30 | 46 | 24 | 34 | 27 | |
| 29 | 29 | 45 | 23 | 33 | 26 | |
| 28 | 28 | 45 | 22 | 31 | 25 | |
| 27 | 27 | 44 | 22 | 30 | 24 | |
| 26 | 26 | 43 | 21 | 29 | 23 | |
| 25 | 25 | 43 | 21 | 28 | 22 | |
| 24 | 24 | 42 | 20 | 26 | 21 | |
| 23 | 23 | 41 | 19 | 25 | 20 | |
| 22 | 22 | 40 | 19 | 23 | 19 | |
| 21 | 21 | 39 | 18 | 22 | 19 | |
| 20 | 20 | 37 | 18 | 20 | 18 | |
| 19 | 19 | 36 | 17 | 19 | 17 | |
| 18 | 18 | 35 | 16 | 18 | 16 | |
| 17 | 17 | 33 | 16 | 17 | 15 | |
| 16 | 16 | 31 | 15 | 15 | 14 | |
| 15 | 15 | 29 | 14 | 14 | 13 | |
| 14 | 14 | 27 | 13 | 13 | 12 | |
| 13 | 13 | 24 | 12 | 12 | 11 | |
| 12 | 12 | 22 | 12 | 12 | 10 | |
| 11 | 11 | 19 | 11 | 11 | 9 | |
| 10 | 10 | 17 | 10 | 10 | 9 | |
| 9 | 9 | 15 | 9 | 9 | 8 | |
| 8 | 8 | 13 | 8 | 8 | 7 | |
| 7 | 7 | 12 | 7 | 7 | 6 | |
| 6 | 6 | 10 | 6 | 6 | 5 | |
| 5 | 5 | 8 | 5 | 5 | 4 | |
| 4 | 4 | 7 | 4 | 4 | 3 | |
| 3 | 3 | 5 | 3 | 3 | 2 | |
| 2 | 2 | 3 | 2 | 2 | 1 | |
| 1 | 1 | 1 | 1 | 1 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 1, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM G VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM B WORD MEANING |
|--|---|---|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 38 | 50 | 30 | 42 | 38 | |
| 39 | 37 | 50 | 29 | 42 | 36 | |
| 38 | 36 | 50 | 28 | 41 | 35 | |
| 37 | 35 | 49 | 27 | 40 | 33 | |
| 36 | 34 | 48 | 27 | 39 | 32 | |
| 35 | 33 | 48 | 26 | 38 | 31 | |
| 34 | 32 | 47 | 25 | 36 | 30 | |
| 33 | 31 | 47 | 24 | 35 | 28 | |
| 32 | 30 | 46 | 24 | 34 | 27 | |
| 31 | 29 | 45 | 23 | 32 | 26 | |
| 30 | 27 | 44 | 22 | 31 | 25 | |
| 29 | 26 | 44 | 21 | 29 | 24 | |
| 28 | 25 | 43 | 21 | 28 | 23 | |
| 27 | 24 | 42 | 20 | 26 | 21 | |
| 26 | 23 | 41 | 20 | 25 | 20 | |
| 25 | 22 | 40 | 19 | 23 | 19 | |
| 24 | 21 | 39 | 18 | 22 | 19 | |
| 23 | 20 | 38 | 18 | 20 | 18 | |
| 22 | 19 | 36 | 17 | 19 | 17 | |
| 21 | 18 | 35 | 16 | 18 | 16 | |
| 20 | 17 | 34 | 16 | 17 | 15 | |
| 19 | 17 | 32 | 15 | 16 | 14 | |
| 18 | 16 | 31 | 15 | 15 | 13 | |
| 17 | 15 | 29 | 14 | 14 | 13 | |
| 16 | 14 | 27 | 13 | 13 | 12 | |
| 15 | 13 | 25 | 12 | 13 | 11 | |
| 14 | 12 | 22 | 12 | 12 | 11 | |
| 13 | 11 | 20 | 11 | 11 | 10 | |
| 12 | 10 | 18 | 10 | 10 | 9 | |
| 11 | 9 | 16 | 9 | 10 | 8 | |
| 10 | 8 | 15 | 8 | 9 | 7 | |
| 9 | 8 | 13 | 8 | 8 | 7 | |
| 8 | 7 | 12 | 7 | 8 | 6 | |
| 7 | 6 | 10 | 6 | 7 | 5 | |
| 6 | 5 | 9 | 5 | 6 | 4 | |
| 5 | 4 | 7 | 4 | 5 | 3 | |
| 4 | 4 | 6 | 3 | 4 | 2 | |
| 3 | 2 | 3 | 2 | 4 | 1 | |
| 2 | 1 | 1 | 1 | 0 | 0 | |
| 1 | 0 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | |

TABLE 10. ANCHOR TEST EQUATING STUDY: GRADE 4

IDWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 1, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAR.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|---|---|--|--|--|--|--|-----------|------------------|------------------|------------------|------------------|------------------|
| 38 | 40 | 40 | 50 | 30 | 42 | 38 | 38 | | | | | |
| 37 | 39 | 39 | 50 | 29 | 41 | 36 | 36 | | | | | |
| 36 | 37 | 38 | 49 | 28 | 40 | 34 | 34 | | | | | |
| 35 | 36 | 37 | 49 | 27 | 39 | 33 | 33 | | | | | |
| 34 | 35 | 36 | 48 | 26 | 38 | 31 | 31 | | | | | |
| 33 | 34 | 35 | 48 | 26 | 37 | 30 | 30 | | | | | |
| 32 | 32 | 34 | 47 | 25 | 36 | 29 | 29 | | | | | |
| 31 | 31 | 33 | 46 | 24 | 35 | 28 | 28 | | | | | |
| 30 | 30 | 32 | 46 | 24 | 34 | 27 | 27 | | | | | |
| 29 | 29 | 31 | 45 | 23 | 33 | 26 | 26 | | | | | |
| 28 | 28 | 30 | 45 | 22 | 31 | 25 | 25 | | | | | |
| 27 | 27 | 30 | 44 | 22 | 30 | 24 | 24 | | | | | |
| 26 | 26 | 29 | 43 | 21 | 29 | 23 | 23 | | | | | |
| 25 | 25 | 28 | 43 | 21 | 28 | 22 | 22 | | | | | |
| 24 | 24 | 27 | 42 | 20 | 27 | 22 | 22 | | | | | |
| 23 | 23 | 26 | 41 | 20 | 25 | 21 | 21 | | | | | |
| 22 | 23 | 26 | 40 | 19 | 24 | 20 | 20 | | | | | |
| 21 | 22 | 25 | 40 | 19 | 23 | 19 | 19 | | | | | |
| 20 | 21 | 24 | 39 | 18 | 22 | 19 | 19 | | | | | |
| 19 | 20 | 23 | 38 | 18 | 20 | 18 | 18 | | | | | |
| 18 | 19 | 22 | 36 | 17 | 19 | 17 | 17 | | | | | |
| 17 | 18 | 21 | 35 | 16 | 18 | 16 | 16 | | | | | |
| 16 | 17 | 20 | 33 | 16 | 17 | 15 | 15 | | | | | |
| 15 | 16 | 19 | 32 | 15 | 16 | 14 | 14 | | | | | |
| 14 | 15 | 18 | 30 | 14 | 15 | 13 | 13 | | | | | |
| 13 | 14 | 16 | 27 | 13 | 13 | 12 | 12 | | | | | |
| 12 | 13 | 15 | 24 | 12 | 12 | 11 | 11 | | | | | |
| 11 | 12 | 14 | 21 | 11 | 11 | 10 | 10 | | | | | |
| 10 | 11 | 12 | 19 | 10 | 10 | 9 | 9 | | | | | |
| 9 | 10 | 11 | 16 | 9 | 10 | 8 | 8 | | | | | |
| 8 | 8 | 10 | 14 | 8 | 9 | 7 | 7 | | | | | |
| 7 | 7 | 8 | 12 | 7 | 8 | 6 | 6 | | | | | |
| 6 | 6 | 7 | 10 | 6 | 7 | 5 | 5 | | | | | |
| 5 | 5 | 6 | 8 | 4 | 5 | 4 | 4 | | | | | |
| 4 | 4 | 5 | 7 | 3 | 4 | 3 | 3 | | | | | |
| 3 | 3 | 4 | 5 | 3 | 3 | 2 | 2 | | | | | |
| 2 | 2 | 3 | 4 | 2 | 2 | 1 | 1 | | | | | |
| 1 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | | | | | |
| 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | | | | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 1. EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTRS (68 ED.) LEVEL 2 FORM C VOCABULARY | | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | |
|-----------|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 50 | 39 | 39 | 37 | 29 | 41 | 36 | | | | | | |
| 49 | 37 | 37 | 36 | 28 | 40 | 34 | | | | | | |
| 48 | 35 | 36 | 34 | 26 | 38 | 31 | | | | | | |
| 47 | 32 | 34 | 32 | 25 | 36 | 29 | | | | | | |
| 46 | 30 | 32 | 30 | 24 | 34 | 27 | | | | | | |
| 45 | 29 | 31 | 29 | 23 | 32 | 25 | | | | | | |
| 44 | 27 | 30 | 27 | 22 | 30 | 24 | | | | | | |
| 43 | 26 | 28 | 26 | 21 | 29 | 23 | | | | | | |
| 42 | 25 | 27 | 24 | 20 | 27 | 22 | | | | | | |
| 41 | 23 | 26 | 23 | 20 | 25 | 21 | | | | | | |
| 40 | 22 | 25 | 22 | 19 | 24 | 20 | | | | | | |
| 39 | 21 | 24 | 20 | 18 | 22 | 19 | | | | | | |
| 38 | 20 | 24 | 20 | 18 | 21 | 18 | | | | | | |
| 37 | 20 | 23 | 19 | 17 | 20 | 17 | | | | | | |
| 36 | 19 | 22 | 18 | 17 | 19 | 17 | | | | | | |
| 35 | 18 | 21 | 17 | 16 | 18 | 16 | | | | | | |
| 34 | 18 | 20 | 17 | 16 | 17 | 15 | | | | | | |
| 33 | 17 | 19 | 16 | 16 | 16 | 15 | | | | | | |
| 32 | 16 | 19 | 15 | 15 | 16 | 14 | | | | | | |
| 31 | 16 | 18 | 15 | 15 | 15 | 14 | | | | | | |
| 30 | 15 | 18 | 14 | 14 | 15 | 13 | | | | | | |
| 29 | 15 | 17 | 14 | 14 | 14 | 13 | | | | | | |
| 28 | 15 | 17 | 13 | 14 | 14 | 12 | | | | | | |
| 27 | 14 | 16 | 13 | 13 | 13 | 12 | | | | | | |
| 26 | 14 | 16 | 13 | 13 | 13 | 12 | | | | | | |
| 25 | 13 | 15 | 12 | 13 | 13 | 11 | | | | | | |
| 24 | 13 | 15 | 12 | 12 | 12 | 11 | | | | | | |
| 23 | 13 | 14 | 12 | 12 | 12 | 11 | | | | | | |
| 22 | 12 | 14 | 12 | 12 | 12 | 10 | | | | | | |
| 21 | 12 | 13 | 11 | 11 | 11 | 10 | | | | | | |
| 20 | 11 | 13 | 11 | 11 | 11 | 10 | | | | | | |
| 19 | 11 | 12 | 10 | 11 | 11 | 9 | | | | | | |
| 18 | 11 | 12 | 10 | 10 | 10 | 9 | | | | | | |
| 17 | 10 | 11 | 9 | 10 | 10 | 9 | | | | | | |
| 16 | 10 | 11 | 9 | 9 | 10 | 8 | | | | | | |
| 15 | 9 | 10 | 9 | 9 | 9 | 8 | | | | | | |
| 14 | 8 | 10 | 8 | 8 | 9 | 7 | | | | | | |
| 13 | 8 | 9 | 8 | 7 | 8 | 6 | | | | | | |
| 12 | 7 | 8 | 7 | 7 | 8 | 6 | | | | | | |
| 11 | 7 | 8 | 7 | 6 | 7 | 5 | | | | | | |
| 10 | 6 | 7 | 6 | 6 | 7 | 5 | | | | | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 1, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE 1 FORM W WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 9 | 6 | 6 | 6 | 5 | 6 | 4 |
| 8 | 5 | 6 | 5 | 4 | 5 | 4 |
| 7 | 4 | 5 | 4 | 4 | 5 | 3 |
| 6 | 4 | 4 | 4 | 3 | 4 | 2 |
| 5 | 3 | 4 | 3 | 3 | 3 | 2 |
| 4 | 3 | 3 | 2 | 2 | 3 | 2 |
| 3 | 2 | 3 | 2 | 2 | 2 | 1 |
| 2 | 2 | 3 | 1 | 1 | 1 | 1 |
| 1 | 1 | 2 | 0 | 1 | 1 | 0 |
| 0 | 1 | 2 | 0 | 1 | 0 | 0 |

TABLE 12. ANCHOR TEST EQUATING STUDY: GRADE 4

ESSENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART I (VOCABULARY)

PROCEDURE 1, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | | ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING | |
|--|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|
| | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE |
| 30 | 40 | 38 | 50 | 42 | 38 | 50 | 42 | 38 | 50 | 42 | 38 | 50 |
| 29 | 39 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 41 | 41 | 36 | 36 |
| 28 | 38 | 36 | 36 | 40 | 36 | 49 | 40 | 34 | 40 | 40 | 34 | 34 |
| 27 | 37 | 35 | 35 | 39 | 35 | 49 | 39 | 33 | 39 | 39 | 33 | 33 |
| 26 | 35 | 34 | 34 | 48 | 34 | 48 | 38 | 31 | 38 | 38 | 31 | 31 |
| 25 | 34 | 32 | 32 | 47 | 32 | 47 | 36 | 29 | 36 | 36 | 29 | 29 |
| 24 | 33 | 31 | 31 | 46 | 31 | 46 | 35 | 28 | 35 | 35 | 28 | 28 |
| 23 | 31 | 29 | 29 | 45 | 31 | 45 | 33 | 26 | 33 | 33 | 26 | 26 |
| 22 | 30 | 27 | 27 | 44 | 30 | 44 | 31 | 24 | 31 | 31 | 24 | 24 |
| 21 | 28 | 26 | 26 | 43 | 28 | 43 | 29 | 23 | 29 | 29 | 23 | 23 |
| 20 | 27 | 24 | 24 | 42 | 27 | 42 | 26 | 21 | 26 | 26 | 21 | 21 |
| 19 | 25 | 22 | 22 | 40 | 25 | 40 | 24 | 20 | 24 | 24 | 20 | 20 |
| 18 | 24 | 20 | 20 | 39 | 24 | 39 | 22 | 18 | 22 | 22 | 18 | 18 |
| 17 | 22 | 18 | 18 | 37 | 22 | 37 | 19 | 17 | 19 | 19 | 17 | 17 |
| 16 | 20 | 17 | 17 | 34 | 20 | 34 | 17 | 15 | 17 | 17 | 15 | 15 |
| 15 | 19 | 15 | 15 | 32 | 19 | 32 | 16 | 14 | 16 | 16 | 14 | 14 |
| 14 | 17 | 14 | 14 | 29 | 17 | 29 | 14 | 13 | 14 | 14 | 13 | 13 |
| 13 | 16 | 13 | 13 | 26 | 16 | 26 | 13 | 12 | 13 | 13 | 12 | 12 |
| 12 | 15 | 12 | 12 | 23 | 15 | 23 | 12 | 11 | 12 | 12 | 11 | 11 |
| 11 | 13 | 11 | 11 | 20 | 13 | 20 | 11 | 10 | 11 | 11 | 10 | 10 |
| 10 | 12 | 10 | 10 | 18 | 12 | 18 | 10 | 9 | 10 | 10 | 9 | 9 |
| 9 | 11 | 9 | 9 | 16 | 11 | 16 | 9 | 8 | 9 | 9 | 8 | 8 |
| 8 | 10 | 8 | 8 | 14 | 10 | 14 | 7 | 7 | 8 | 8 | 7 | 7 |
| 7 | 7 | 7 | 7 | 12 | 7 | 12 | 6 | 6 | 7 | 7 | 6 | 6 |
| 6 | 6 | 6 | 6 | 11 | 6 | 11 | 5 | 5 | 6 | 6 | 5 | 5 |
| 5 | 6 | 6 | 6 | 9 | 6 | 9 | 4 | 4 | 5 | 5 | 4 | 4 |
| 4 | 5 | 5 | 5 | 8 | 5 | 8 | 3 | 3 | 4 | 4 | 3 | 3 |
| 3 | 4 | 4 | 4 | 6 | 4 | 6 | 2 | 2 | 3 | 3 | 2 | 2 |
| 2 | 3 | 2 | 2 | 4 | 3 | 4 | 1 | 1 | 2 | 2 | 1 | 1 |
| 1 | 2 | 2 | 2 | 3 | 2 | 3 | 1 | 1 | 1 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 1, EQUIPERCENTILE METHOD

SRA (71 ED.) BLUE FORM E VOCABULARY CAT (70 ED.) LEVEL 3 FORM A VOCABULARY CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY MAT (70 ED.) ELEMENTARY FORM F MORO KNOWLEDGE STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 42 | 40 | 38 | 50 | 30 | 37 | | | |
| 41 | 38 | 37 | 50 | 29 | 35 | | | |
| 40 | 37 | 36 | 49 | 28 | 34 | | | |
| 39 | 36 | 35 | 49 | 27 | 32 | | | |
| 38 | 34 | 34 | 48 | 26 | 31 | | | |
| 37 | 33 | 33 | 47 | 26 | 30 | | | |
| 36 | 32 | 32 | 47 | 25 | 29 | | | |
| 35 | 31 | 31 | 47 | 24 | 28 | | | |
| 34 | 30 | 30 | 46 | 24 | 27 | | | |
| 33 | 29 | 29 | 46 | 23 | 26 | | | |
| 32 | 29 | 29 | 45 | 23 | 26 | | | |
| 31 | 28 | 28 | 45 | 22 | 25 | | | |
| 30 | 27 | 27 | 44 | 22 | 24 | | | |
| 29 | 26 | 26 | 43 | 21 | 23 | | | |
| 28 | 25 | 25 | 43 | 21 | 23 | | | |
| 27 | 24 | 24 | 42 | 20 | 22 | | | |
| 26 | 24 | 24 | 42 | 20 | 21 | | | |
| 25 | 23 | 23 | 41 | 20 | 21 | | | |
| 24 | 23 | 22 | 40 | 19 | 20 | | | |
| 23 | 22 | 21 | 40 | 19 | 19 | | | |
| 22 | 21 | 20 | 39 | 18 | 19 | | | |
| 21 | 20 | 20 | 38 | 18 | 18 | | | |
| 20 | 19 | 17 | 37 | 17 | 17 | | | |
| 19 | 18 | 18 | 36 | 17 | 17 | | | |
| 18 | 17 | 17 | 35 | 16 | 16 | | | |
| 17 | 16 | 16 | 34 | 16 | 15 | | | |
| 16 | 15 | 15 | 32 | 15 | 14 | | | |
| 15 | 14 | 14 | 31 | 15 | 14 | | | |
| 14 | 13 | 13 | 29 | 14 | 13 | | | |
| 13 | 12 | 12 | 26 | 13 | 12 | | | |
| 12 | 11 | 11 | 23 | 12 | 11 | | | |
| 11 | 10 | 10 | 20 | 11 | 10 | | | |
| 10 | 9 | 9 | 17 | 10 | 9 | | | |
| 9 | 8 | 7 | 15 | 9 | 8 | | | |
| 8 | 7 | 7 | 13 | 7 | 6 | | | |
| 7 | 6 | 6 | 11 | 6 | 5 | | | |
| 6 | 5 | 5 | 9 | 5 | 4 | | | |
| 5 | 4 | 4 | 7 | 4 | 3 | | | |
| 4 | 3 | 3 | 6 | 3 | 3 | | | |
| 3 | 2 | 2 | 5 | 2 | 2 | | | |
| 2 | 1 | 1 | 3 | 1 | 1 | | | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 1, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | GTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VUCAB.) | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | 2 | 2 | 1 | 2 | 1 | 1 |
| 0 | 1 | 2 | 0 | 0 | 1 | 0 |

TABLE 14. ANCHOR TEST EQUATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR WORD MEANING

PROCEDURE 1. EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTRS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | ITBS (71 ED.) LEVEL 10 FORM S VOCABULARY | | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | |
|--|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 40 | 38 | 50 | 30 | 42 | 36 | | | | | | |
| 37 | 40 | 38 | 50 | 30 | 42 | 36 | | | | | | |
| 36 | 39 | 37 | 50 | 29 | 42 | 35 | | | | | | |
| 35 | 38 | 37 | 50 | 28 | 41 | 34 | | | | | | |
| 34 | 38 | 36 | 49 | 28 | 40 | 33 | | | | | | |
| 33 | 37 | 35 | 27 | 27 | 40 | 32 | | | | | | |
| 32 | 36 | 35 | 27 | 27 | 39 | 31 | | | | | | |
| 31 | 35 | 34 | 26 | 26 | 38 | 30 | | | | | | |
| 30 | 34 | 33 | 26 | 26 | 37 | 29 | | | | | | |
| 29 | 34 | 32 | 25 | 25 | 36 | 28 | | | | | | |
| 28 | 33 | 31 | 24 | 24 | 35 | 27 | | | | | | |
| 27 | 32 | 30 | 24 | 24 | 34 | 26 | | | | | | |
| 26 | 31 | 29 | 23 | 23 | 33 | 25 | | | | | | |
| 25 | 30 | 28 | 22 | 22 | 31 | 24 | | | | | | |
| 24 | 29 | 27 | 22 | 22 | 30 | 23 | | | | | | |
| 23 | 29 | 26 | 21 | 21 | 29 | 22 | | | | | | |
| 22 | 28 | 25 | 21 | 21 | 28 | 21 | | | | | | |
| 21 | 27 | 24 | 20 | 20 | 27 | 20 | | | | | | |
| 20 | 26 | 22 | 19 | 19 | 26 | 19 | | | | | | |
| 19 | 25 | 21 | 18 | 18 | 25 | 18 | | | | | | |
| 18 | 24 | 20 | 18 | 18 | 24 | 17 | | | | | | |
| 17 | 23 | 19 | 17 | 17 | 23 | 16 | | | | | | |
| 16 | 22 | 18 | 16 | 16 | 22 | 15 | | | | | | |
| 15 | 21 | 17 | 16 | 16 | 21 | 14 | | | | | | |
| 14 | 20 | 16 | 15 | 15 | 20 | 13 | | | | | | |
| 13 | 19 | 15 | 14 | 14 | 19 | 12 | | | | | | |
| 12 | 18 | 14 | 13 | 13 | 18 | 11 | | | | | | |
| 11 | 17 | 13 | 12 | 12 | 17 | 10 | | | | | | |
| 10 | 16 | 12 | 11 | 11 | 16 | 9 | | | | | | |
| 9 | 15 | 11 | 10 | 10 | 15 | 8 | | | | | | |
| 8 | 14 | 10 | 9 | 9 | 14 | 7 | | | | | | |
| 7 | 13 | 9 | 8 | 8 | 13 | 6 | | | | | | |
| 6 | 12 | 8 | 7 | 7 | 12 | 5 | | | | | | |
| 5 | 11 | 7 | 6 | 6 | 11 | 4 | | | | | | |
| 4 | 10 | 6 | 5 | 5 | 10 | 3 | | | | | | |
| 3 | 9 | 5 | 4 | 4 | 9 | 2 | | | | | | |
| 2 | 8 | 4 | 3 | 3 | 8 | 1 | | | | | | |
| 1 | 7 | 3 | 2 | 2 | 7 | 0 | | | | | | |
| 0 | 6 | 2 | 1 | 1 | 6 | 0 | | | | | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 2, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTRS (68 ED.) LEVEL 2 FORM Q VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) 8CU FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|---|--|---|--|--|---|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 42 | 39 | 60 | 31 | 44 | 36 |
| 39 | 41 | 38 | 59 | 30 | 43 | 35 |
| 38 | 40 | 37 | 58 | 29 | 42 | 34 |
| 37 | 39 | 36 | 56 | 29 | 41 | 33 |
| 36 | 38 | 35 | 55 | 28 | 39 | 32 |
| 35 | 37 | 34 | 54 | 27 | 38 | 31 |
| 34 | 36 | 33 | 52 | 26 | 37 | 30 |
| 33 | 35 | 32 | 51 | 26 | 36 | 29 |
| 32 | 34 | 31 | 50 | 25 | 35 | 28 |
| 31 | 33 | 30 | 48 | 24 | 34 | 27 |
| 30 | 32 | 29 | 47 | 24 | 33 | 27 |
| 29 | 31 | 28 | 46 | 23 | 31 | 26 |
| 28 | 30 | 27 | 44 | 22 | 30 | 25 |
| 27 | 29 | 26 | 43 | 21 | 29 | 24 |
| 26 | 28 | 25 | 41 | 21 | 28 | 23 |
| 25 | 27 | 24 | 40 | 20 | 27 | 22 |
| 24 | 26 | 23 | 39 | 19 | 26 | 21 |
| 23 | 25 | 22 | 37 | 19 | 25 | 20 |
| 22 | 24 | 21 | 36 | 18 | 23 | 19 |
| 21 | 23 | 20 | 35 | 17 | 22 | 18 |
| 20 | 22 | 19 | 33 | 17 | 21 | 18 |
| 19 | 21 | 18 | 32 | 16 | 20 | 17 |
| 18 | 20 | 17 | 31 | 15 | 19 | 16 |
| 17 | 19 | 16 | 29 | 14 | 18 | 15 |
| 16 | 18 | 15 | 28 | 14 | 17 | 14 |
| 15 | 17 | 14 | 27 | 13 | 15 | 13 |
| 14 | 16 | 13 | 25 | 12 | 14 | 12 |
| 13 | 15 | 12 | 24 | 12 | 13 | 11 |
| 12 | 14 | 11 | 23 | 11 | 12 | 10 |
| 11 | 13 | 10 | 21 | 10 | 11 | 9 |
| 10 | 12 | 9 | 20 | 9 | 10 | 8 |
| 9 | 11 | 8 | 19 | 9 | 8 | 8 |
| 8 | 10 | 7 | 17 | 8 | 7 | 7 |
| 7 | 9 | 6 | 16 | 7 | 6 | 6 |
| 6 | 8 | 5 | 14 | 7 | 5 | 5 |
| 5 | 7 | 4 | 13 | 6 | 4 | 4 |
| 4 | 6 | 3 | 12 | 5 | 3 | 3 |
| 3 | 5 | 2 | 10 | 5 | 2 | 2 |
| 2 | 4 | 1 | 9 | 4 | 0 | 1 |
| 1 | 3 | 0 | 8 | 3 | 1 | 0 |
| 0 | 2 | -1 | 6 | 2 | -2 | -1 |

TABLE 16. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 2, LINEAR METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | CAT (71 ED.) LEVEL 3 FORM A VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM S VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE 1 FORM M WORD MEANING |
|--|---|---|--|--|--|--|
|--|---|---|--|--|--|--|

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 40 | 38 | 37 | 58 | 30 | 42 | 34 |
| 39 | 37 | 36 | 57 | 29 | 41 | 33 |
| 38 | 36 | 35 | 56 | 28 | 40 | 32 |
| 37 | 35 | 34 | 54 | 27 | 39 | 31 |
| 36 | 34 | 33 | 53 | 27 | 38 | 31 |
| 35 | 33 | 32 | 51 | 26 | 36 | 30 |
| 34 | 32 | 31 | 50 | 25 | 35 | 29 |
| 33 | 31 | 30 | 49 | 25 | 34 | 28 |
| 32 | 30 | 29 | 47 | 24 | 33 | 27 |
| 31 | 29 | 28 | 46 | 23 | 32 | 26 |
| 30 | 27 | 27 | 45 | 22 | 31 | 25 |
| 29 | 27 | 26 | 43 | 22 | 30 | 24 |
| 28 | 26 | 25 | 42 | 21 | 28 | 23 |
| 27 | 25 | 24 | 41 | 20 | 27 | 22 |
| 26 | 24 | 23 | 39 | 20 | 26 | 21 |
| 25 | 23 | 22 | 38 | 19 | 25 | 20 |
| 24 | 22 | 21 | 36 | 18 | 24 | 20 |
| 23 | 21 | 20 | 35 | 17 | 23 | 19 |
| 22 | 20 | 19 | 34 | 17 | 21 | 18 |
| 21 | 19 | 18 | 32 | 16 | 20 | 17 |
| 20 | 18 | 17 | 31 | 15 | 19 | 16 |
| 19 | 17 | 16 | 30 | 15 | 18 | 15 |
| 18 | 16 | 15 | 28 | 14 | 17 | 14 |
| 17 | 15 | 14 | 27 | 13 | 16 | 13 |
| 16 | 14 | 13 | 26 | 12 | 14 | 12 |
| 15 | 13 | 12 | 24 | 12 | 13 | 11 |
| 14 | 12 | 11 | 23 | 11 | 12 | 10 |
| 13 | 11 | 10 | 22 | 10 | 11 | 10 |
| 12 | 9 | 9 | 20 | 10 | 10 | 9 |
| 11 | 8 | 8 | 19 | 9 | 9 | 8 |
| 10 | 7 | 7 | 17 | 8 | 8 | 7 |
| 9 | 6 | 6 | 16 | 7 | 6 | 6 |
| 8 | 5 | 5 | 15 | 7 | 5 | 5 |
| 7 | 4 | 4 | 13 | 6 | 4 | 4 |
| 6 | 4 | 3 | 12 | 5 | 3 | 3 |
| 5 | 3 | 2 | 11 | 5 | 2 | 2 |
| 4 | 2 | 1 | 9 | 4 | 1 | 1 |
| 3 | 1 | 0 | 8 | 3 | 1 | 0 |
| 2 | 0 | -1 | 7 | 2 | -1 | 0 |
| 1 | -1 | -2 | 5 | 2 | -2 | 0 |
| 0 | -2 | -3 | 4 | 1 | -3 | -1 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 2, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | CAT (7C ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 4 FORM C VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|---|---|--|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 39 | 41 | 59 | 30 | 43 | 35 |
| 37 | 39 | 40 | 58 | 29 | 42 | 34 |
| 36 | 37 | 39 | 56 | 29 | 41 | 33 |
| 35 | 36 | 38 | 55 | 28 | 40 | 32 |
| 34 | 35 | 37 | 54 | 27 | 38 | 31 |
| 33 | 34 | 36 | 52 | 27 | 37 | 30 |
| 32 | 33 | 35 | 51 | 26 | 36 | 29 |
| 31 | 32 | 34 | 50 | 25 | 35 | 28 |
| 30 | 31 | 33 | 48 | 24 | 34 | 28 |
| 29 | 30 | 32 | 47 | 24 | 33 | 27 |
| 28 | 29 | 31 | 46 | 23 | 32 | 26 |
| 27 | 28 | 30 | 44 | 22 | 30 | 25 |
| 26 | 27 | 29 | 43 | 22 | 29 | 24 |
| 25 | 26 | 28 | 42 | 21 | 28 | 23 |
| 24 | 25 | 27 | 40 | 20 | 27 | 22 |
| 23 | 24 | 26 | 39 | 19 | 26 | 21 |
| 22 | 23 | 25 | 38 | 19 | 25 | 20 |
| 21 | 22 | 24 | 36 | 18 | 24 | 19 |
| 20 | 21 | 23 | 35 | 17 | 22 | 19 |
| 19 | 20 | 22 | 34 | 17 | 21 | 18 |
| 18 | 19 | 21 | 32 | 16 | 20 | 17 |
| 17 | 18 | 20 | 31 | 15 | 19 | 16 |
| 16 | 17 | 19 | 30 | 15 | 18 | 15 |
| 15 | 16 | 18 | 28 | 14 | 17 | 14 |
| 14 | 15 | 17 | 27 | 13 | 16 | 13 |
| 13 | 14 | 16 | 26 | 12 | 15 | 12 |
| 12 | 13 | 15 | 24 | 12 | 13 | 11 |
| 11 | 12 | 14 | 23 | 11 | 12 | 11 |
| 10 | 11 | 13 | 22 | 10 | 11 | 10 |
| 9 | 10 | 12 | 20 | 10 | 10 | 9 |
| 8 | 9 | 11 | 19 | 9 | 9 | 8 |
| 7 | 8 | 10 | 18 | 8 | 8 | 7 |
| 6 | 7 | 9 | 16 | 8 | 7 | 6 |
| 5 | 6 | 8 | 15 | 7 | 5 | 5 |
| 4 | 5 | 7 | 14 | 6 | 4 | 4 |
| 3 | 4 | 6 | 12 | 5 | 3 | 3 |
| 2 | 3 | 5 | 11 | 5 | 2 | 2 |
| 1 | 2 | 4 | 10 | 4 | 1 | 2 |
| 0 | 1 | 3 | 8 | 3 | 0 | 1 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 2, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM B VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 EC.) ALUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 50 | 32 | 34 | 31 | 25 | 35 | 29 |
| 49 | 32 | 33 | 31 | 25 | 34 | 28 |
| 48 | 31 | 33 | 30 | 24 | 34 | 27 |
| 47 | 30 | 32 | 29 | 24 | 33 | 27 |
| 46 | 29 | 31 | 28 | 23 | 32 | 26 |
| 45 | 29 | 30 | 28 | 23 | 31 | 25 |
| 44 | 28 | 30 | 27 | 22 | 30 | 25 |
| 43 | 27 | 29 | 26 | 22 | 29 | 24 |
| 42 | 26 | 28 | 25 | 21 | 28 | 23 |
| 41 | 26 | 27 | 25 | 21 | 28 | 23 |
| 40 | 25 | 27 | 24 | 20 | 27 | 22 |
| 39 | 24 | 26 | 23 | 19 | 26 | 21 |
| 38 | 24 | 25 | 22 | 19 | 25 | 21 |
| 37 | 24 | 24 | 22 | 18 | 24 | 20 |
| 36 | 23 | 24 | 21 | 18 | 23 | 19 |
| 35 | 21 | 23 | 20 | 17 | 23 | 19 |
| 34 | 21 | 22 | 19 | 17 | 22 | 18 |
| 33 | 20 | 22 | 19 | 16 | 21 | 17 |
| 32 | 19 | 21 | 18 | 16 | 20 | 17 |
| 31 | 18 | 20 | 17 | 15 | 19 | 16 |
| 30 | 18 | 19 | 16 | 15 | 18 | 15 |
| 29 | 17 | 19 | 16 | 14 | 17 | 15 |
| 28 | 16 | 18 | 15 | 14 | 17 | 14 |
| 27 | 15 | 17 | 14 | 13 | 16 | 13 |
| 26 | 15 | 16 | 13 | 13 | 15 | 13 |
| 25 | 14 | 16 | 13 | 12 | 14 | 12 |
| 24 | 13 | 15 | 12 | 12 | 13 | 11 |
| 23 | 12 | 14 | 11 | 11 | 12 | 11 |
| 22 | 12 | 13 | 10 | 11 | 11 | 10 |
| 21 | 11 | 13 | 10 | 10 | 11 | 9 |
| 20 | 10 | 12 | 9 | 10 | 10 | 9 |
| 19 | 9 | 11 | 8 | 9 | 9 | 8 |
| 18 | 9 | 10 | 8 | 8 | 8 | 7 |
| 17 | 8 | 10 | 7 | 8 | 7 | 7 |
| 16 | 7 | 9 | 6 | 7 | 6 | 6 |
| 15 | 6 | 8 | 5 | 7 | 6 | 5 |
| 14 | 6 | 8 | 4 | 6 | 5 | 5 |
| 13 | 5 | 7 | 4 | 6 | 4 | 4 |
| 12 | 4 | 6 | 3 | 5 | 3 | 3 |
| 11 | 3 | 5 | 2 | 5 | 2 | 3 |
| 10 | 3 | 5 | 1 | 4 | 1 | 2 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 2, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 9 | 2 | 4 | 1 | 4 | 0 | 1 |
| 8 | 1 | 3 | 0 | 3 | 0 | 1 |
| 7 | 1 | 2 | - 1 | 3 | - 1 | 0 |
| 6 | 0 | 2 | - 2 | 2 | - 2 | - 1 |
| 5 | - 1 | 1 | - 2 | 2 | - 3 | - 1 |
| 4 | - 2 | 0 | - 3 | 1 | - 4 | - 2 |
| 3 | - 2 | - 1 | - 4 | 1 | - 5 | - 3 |
| 2 | - 3 | - 1 | - 5 | 0 | - 6 | - 3 |
| 1 | - 4 | - 2 | - 5 | 0 | - 6 | - 4 |
| 0 | - 5 | - 3 | - 6 | - 1 | - 7 | - 5 |

TABLE 19. ANCHOR TEST EQUATING STUDY: GRADE 4

ESSENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART I (VOCABULARY)

PROCEDURE 2, LINEAR METHOD

STEP-II (69 ED.) CAT (70 ED.) CTBS (68 ED.) ITBS (71 ED.) MAT (70 ED.) SRA (71 ED.) SAT (64 ED.)
 LEVEL 4 LEVEL 3 LEVEL 2 LEVEL 10 ELEMENTARY BLUE INTERMEDIATE I
 FORM A FORM A FORM 0 FORM 5 FORM F FORM E FORM M
 PART I (VOCAB.) VOCABULARY VOCABULARY VOCABULARY VOCABULARY VOCABULARY WORD MEANING

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 30 | 41 | 38 | 59 | 43 | 35 | | |
| 29 | 39 | 37 | 57 | 41 | 34 | | |
| 28 | 36 | 35 | 55 | 40 | 32 | | |
| 27 | 35 | 34 | 53 | 38 | 31 | | |
| 26 | 34 | 32 | 52 | 37 | 30 | | |
| 25 | 32 | 31 | 50 | 35 | 28 | | |
| 24 | 31 | 30 | 48 | 33 | 27 | | |
| 23 | 29 | 28 | 46 | 32 | 26 | | |
| 22 | 28 | 27 | 44 | 30 | 25 | | |
| 21 | 26 | 25 | 42 | 28 | 23 | | |
| 20 | 25 | 24 | 40 | 27 | 22 | | |
| 19 | 24 | 22 | 38 | 25 | 21 | | |
| 18 | 22 | 21 | 36 | 24 | 19 | | |
| 17 | 21 | 20 | 34 | 22 | 18 | | |
| 16 | 19 | 18 | 32 | 20 | 17 | | |
| 15 | 18 | 17 | 31 | 19 | 16 | | |
| 14 | 17 | 15 | 29 | 17 | 14 | | |
| 13 | 15 | 14 | 27 | 15 | 13 | | |
| 12 | 14 | 12 | 25 | 14 | 12 | | |
| 11 | 12 | 11 | 23 | 12 | 10 | | |
| 10 | 11 | 10 | 21 | 11 | 9 | | |
| 9 | 9 | 8 | 19 | 9 | 8 | | |
| 8 | 8 | 7 | 17 | 7 | 7 | | |
| 7 | 7 | 5 | 15 | 6 | 5 | | |
| 6 | 5 | 4 | 13 | 4 | 4 | | |
| 5 | 4 | 2 | 11 | 2 | 3 | | |
| 4 | 2 | 1 | 10 | 1 | 2 | | |
| 3 | 1 | 0 | 8 | 0 | 0 | | |
| 2 | 0 | - 2 | 6 | - 2 | - 2 | | |
| 1 | - 2 | - 3 | 4 | - 3 | - 4 | | |
| 0 | - 3 | - 5 | 2 | - 5 | - 6 | | |

TABLE 20. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 2, LINEAR METHOD

| SRA (71 ED.) ALUE FORM E VOCABULARY | CAT (7C ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM S VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|--|---|--|---|--|--|--|
|--|---|--|---|--|--|--|

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 42 | 38 | 40 | 37 | 58 | 29 | 34 |
| 41 | 37 | 39 | 36 | 57 | 29 | 33 |
| 40 | 37 | 38 | 35 | 56 | 28 | 32 |
| 39 | 36 | 37 | 35 | 55 | 28 | 32 |
| 38 | 35 | 36 | 34 | 53 | 27 | 31 |
| 37 | 34 | 36 | 33 | 52 | 26 | 30 |
| 36 | 33 | 35 | 32 | 51 | 26 | 29 |
| 35 | 32 | 34 | 31 | 50 | 25 | 28 |
| 34 | 31 | 33 | 30 | 49 | 25 | 28 |
| 33 | 30 | 32 | 29 | 47 | 24 | 27 |
| 32 | 31 | 30 | 28 | 46 | 23 | 26 |
| 31 | 29 | 30 | 28 | 45 | 23 | 25 |
| 30 | 28 | 30 | 27 | 44 | 22 | 25 |
| 29 | 27 | 29 | 26 | 43 | 21 | 24 |
| 28 | 26 | 28 | 25 | 42 | 21 | 23 |
| 27 | 25 | 27 | 24 | 40 | 20 | 22 |
| 26 | 24 | 26 | 23 | 39 | 20 | 21 |
| 25 | 23 | 25 | 22 | 38 | 19 | 21 |
| 24 | 23 | 24 | 21 | 37 | 18 | 20 |
| 23 | 22 | 23 | 21 | 36 | 18 | 19 |
| 22 | 21 | 22 | 20 | 35 | 17 | 18 |
| 21 | 20 | 22 | 19 | 33 | 16 | 17 |
| 20 | 19 | 21 | 18 | 32 | 16 | 17 |
| 19 | 18 | 20 | 17 | 31 | 15 | 16 |
| 18 | 17 | 19 | 16 | 30 | 15 | 15 |
| 17 | 17 | 18 | 15 | 29 | 14 | 14 |
| 16 | 16 | 17 | 14 | 27 | 13 | 14 |
| 15 | 15 | 17 | 14 | 26 | 13 | 13 |
| 14 | 14 | 16 | 13 | 25 | 12 | 12 |
| 13 | 13 | 15 | 12 | 24 | 12 | 11 |
| 12 | 12 | 14 | 11 | 23 | 11 | 10 |
| 11 | 11 | 13 | 10 | 22 | 10 | 10 |
| 10 | 10 | 12 | 9 | 20 | 9 | 9 |
| 9 | 10 | 11 | 8 | 19 | 8 | 8 |
| 8 | 9 | 10 | 7 | 18 | 8 | 7 |
| 7 | 8 | 10 | 6 | 17 | 8 | 6 |
| 6 | 7 | 9 | 6 | 16 | 7 | 6 |
| 5 | 6 | 8 | 5 | 15 | 7 | 5 |
| 4 | 5 | 7 | 4 | 13 | 6 | 4 |
| 3 | 4 | 6 | 3 | 12 | 5 | 3 |
| 2 | 3 | 5 | 2 | 11 | 5 | 2 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR WORD MEANING

PROCEDURE 2, LINEAR METHOD

| RAW SCORE | CAT (7C ED.) LEVEL 3 FORM A VOCABULARY | | CTRS (68 ED.) LEVEL 2 FORM C VOCABULARY | | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) 8LUE FORM E VOCABULARY | |
|-----------|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 43 | 44 | 42 | 42 | 64 | 33 | 33 | 47 | | | | |
| 37 | 42 | 43 | 41 | 41 | 63 | 32 | 32 | 46 | | | | |
| 36 | 41 | 42 | 40 | 40 | 61 | 31 | 31 | 45 | | | | |
| 35 | 39 | 41 | 38 | 38 | 60 | 30 | 30 | 43 | | | | |
| 34 | 38 | 40 | 37 | 37 | 58 | 29 | 29 | 42 | | | | |
| 33 | 37 | 39 | 36 | 36 | 57 | 29 | 29 | 41 | | | | |
| 32 | 36 | 38 | 35 | 35 | 55 | 28 | 28 | 40 | | | | |
| 31 | 35 | 37 | 34 | 34 | 54 | 27 | 27 | 38 | | | | |
| 30 | 34 | 36 | 33 | 33 | 52 | 26 | 26 | 37 | | | | |
| 29 | 33 | 34 | 32 | 32 | 51 | 26 | 26 | 36 | | | | |
| 28 | 32 | 33 | 31 | 31 | 49 | 25 | 25 | 34 | | | | |
| 27 | 31 | 32 | 29 | 29 | 48 | 24 | 24 | 33 | | | | |
| 26 | 30 | 31 | 28 | 28 | 46 | 23 | 23 | 32 | | | | |
| 25 | 28 | 30 | 27 | 27 | 45 | 22 | 22 | 31 | | | | |
| 24 | 27 | 29 | 26 | 26 | 43 | 22 | 22 | 29 | | | | |
| 23 | 26 | 28 | 25 | 25 | 42 | 21 | 21 | 28 | | | | |
| 22 | 25 | 27 | 24 | 24 | 40 | 20 | 20 | 27 | | | | |
| 21 | 24 | 26 | 23 | 23 | 39 | 19 | 19 | 26 | | | | |
| 20 | 23 | 25 | 22 | 22 | 37 | 19 | 19 | 24 | | | | |
| 19 | 22 | 23 | 21 | 21 | 36 | 18 | 18 | 23 | | | | |
| 18 | 21 | 22 | 19 | 19 | 34 | 17 | 17 | 22 | | | | |
| 17 | 20 | 21 | 18 | 18 | 33 | 16 | 16 | 21 | | | | |
| 16 | 18 | 20 | 17 | 17 | 31 | 15 | 15 | 19 | | | | |
| 15 | 17 | 19 | 16 | 16 | 30 | 15 | 15 | 18 | | | | |
| 14 | 16 | 18 | 15 | 15 | 28 | 14 | 14 | 17 | | | | |
| 13 | 15 | 17 | 14 | 14 | 27 | 13 | 13 | 15 | | | | |
| 12 | 14 | 16 | 13 | 13 | 25 | 12 | 12 | 14 | | | | |
| 11 | 13 | 15 | 12 | 12 | 24 | 11 | 11 | 13 | | | | |
| 10 | 12 | 14 | 11 | 11 | 22 | 11 | 11 | 12 | | | | |
| 9 | 11 | 12 | 9 | 9 | 21 | 10 | 10 | 10 | | | | |
| 8 | 10 | 11 | 8 | 8 | 19 | 9 | 9 | 9 | | | | |
| 7 | 7 | 10 | 7 | 7 | 18 | 8 | 8 | 8 | | | | |
| 6 | 7 | 9 | 6 | 6 | 16 | 8 | 8 | 7 | | | | |
| 5 | 6 | 8 | 5 | 5 | 15 | 7 | 7 | 5 | | | | |
| 4 | 5 | 7 | 4 | 4 | 13 | 6 | 6 | 4 | | | | |
| 3 | 4 | 6 | 3 | 3 | 12 | 5 | 5 | 3 | | | | |
| 2 | 3 | 5 | 2 | 2 | 10 | 4 | 4 | 1 | | | | |
| 1 | 2 | 4 | 1 | 1 | 9 | 4 | 4 | 0 | | | | |
| 0 | 1 | 3 | 1 | 1 | 7 | 3 | 3 | 1 | | | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 2, EQUIPERCENTILE METHOD

| | | | | | | |
|---|--|---|--|--|--|--|
| CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTRS (68 ED.) LEVEL 2 FORM Q VOCABULARY | ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|---|--|---|--|--|--|--|

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 40 | 38 | 50 | 30 | 42 | 38 | 38 |
| 39 | 37 | 50 | 29 | 42 | 36 | 36 |
| 38 | 36 | 49 | 28 | 41 | 35 | 35 |
| 37 | 36 | 49 | 28 | 40 | 34 | 34 |
| 36 | 35 | 48 | 27 | 39 | 32 | 32 |
| 35 | 34 | 48 | 26 | 39 | 31 | 31 |
| 34 | 33 | 47 | 26 | 38 | 30 | 30 |
| 33 | 32 | 47 | 25 | 37 | 30 | 30 |
| 32 | 31 | 46 | 25 | 36 | 29 | 29 |
| 31 | 30 | 46 | 24 | 35 | 28 | 28 |
| 30 | 29 | 45 | 24 | 34 | 27 | 27 |
| 29 | 29 | 45 | 23 | 33 | 26 | 26 |
| 28 | 27 | 44 | 22 | 32 | 25 | 25 |
| 27 | 26 | 44 | 22 | 30 | 24 | 24 |
| 26 | 25 | 43 | 21 | 29 | 23 | 23 |
| 25 | 24 | 42 | 20 | 27 | 22 | 22 |
| 24 | 23 | 41 | 20 | 26 | 21 | 21 |
| 23 | 22 | 40 | 19 | 24 | 20 | 20 |
| 22 | 21 | 39 | 18 | 23 | 19 | 19 |
| 21 | 20 | 38 | 18 | 21 | 18 | 18 |
| 20 | 18 | 37 | 17 | 20 | 17 | 17 |
| 19 | 17 | 35 | 16 | 19 | 16 | 16 |
| 18 | 16 | 34 | 16 | 17 | 15 | 15 |
| 17 | 15 | 32 | 15 | 16 | 15 | 15 |
| 16 | 14 | 30 | 14 | 15 | 14 | 14 |
| 15 | 13 | 28 | 13 | 14 | 13 | 13 |
| 14 | 12 | 26 | 12 | 13 | 12 | 12 |
| 13 | 12 | 23 | 11 | 12 | 11 | 11 |
| 12 | 11 | 21 | 11 | 12 | 10 | 10 |
| 11 | 10 | 19 | 10 | 11 | 10 | 10 |
| 10 | 9 | 17 | 9 | 10 | 9 | 9 |
| 9 | 9 | 15 | 8 | 9 | 8 | 8 |
| 8 | 8 | 14 | 7 | 8 | 7 | 7 |
| 7 | 7 | 12 | 7 | 8 | 6 | 6 |
| 6 | 6 | 10 | 5 | 7 | 5 | 5 |
| 5 | 5 | 9 | 5 | 6 | 4 | 4 |
| 4 | 4 | 7 | 4 | 5 | 3 | 3 |
| 3 | 3 | 6 | 3 | 4 | 2 | 2 |
| 2 | 2 | 4 | 2 | 3 | 2 | 2 |
| 1 | 1 | 3 | 1 | 2 | 1 | 1 |
| 0 | 0 | 1 | 1 | 1 | 0 | 0 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 2, EQUIPERCENTILE METHOD

| CTBS (48 EO.) LEVEL 2 FORM Q VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 EO.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 EO.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|--|---|---|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 40 | 38 | 50 | 30 | 42 | 38 |
| 39 | 37 | 37 | 50 | 29 | 42 | 36 |
| 38 | 38 | 36 | 49 | 28 | 41 | 35 |
| 37 | 37 | 35 | 49 | 27 | 40 | 33 |
| 36 | 36 | 34 | 48 | 27 | 39 | 32 |
| 35 | 34 | 33 | 48 | 26 | 38 | 31 |
| 34 | 33 | 32 | 47 | 25 | 37 | 30 |
| 33 | 32 | 31 | 46 | 24 | 35 | 28 |
| 32 | 30 | 30 | 46 | 24 | 34 | 27 |
| 31 | 29 | 29 | 45 | 23 | 33 | 26 |
| 30 | 27 | 27 | 44 | 22 | 31 | 25 |
| 29 | 27 | 26 | 44 | 22 | 30 | 24 |
| 28 | 25 | 25 | 43 | 21 | 28 | 23 |
| 27 | 25 | 24 | 42 | 20 | 27 | 22 |
| 26 | 24 | 23 | 41 | 20 | 25 | 21 |
| 25 | 23 | 21 | 40 | 19 | 24 | 20 |
| 24 | 22 | 20 | 39 | 18 | 22 | 19 |
| 23 | 21 | 19 | 38 | 18 | 21 | 18 |
| 22 | 20 | 18 | 36 | 17 | 20 | 17 |
| 21 | 19 | 17 | 35 | 16 | 18 | 16 |
| 20 | 18 | 16 | 33 | 16 | 17 | 15 |
| 19 | 17 | 15 | 32 | 15 | 16 | 14 |
| 18 | 16 | 14 | 30 | 14 | 15 | 14 |
| 17 | 15 | 13 | 28 | 13 | 14 | 13 |
| 16 | 14 | 13 | 27 | 13 | 13 | 12 |
| 15 | 13 | 12 | 25 | 12 | 12 | 11 |
| 14 | 13 | 11 | 22 | 11 | 11 | 11 |
| 13 | 12 | 11 | 20 | 10 | 11 | 10 |
| 12 | 11 | 10 | 18 | 9 | 10 | 9 |
| 11 | 10 | 9 | 16 | 9 | 10 | 9 |
| 10 | 9 | 8 | 15 | 8 | 9 | 8 |
| 9 | 8 | 7 | 13 | 7 | 8 | 7 |
| 8 | 7 | 7 | 12 | 7 | 7 | 6 |
| 7 | 6 | 6 | 10 | 6 | 7 | 5 |
| 6 | 5 | 5 | 9 | 5 | 6 | 5 |
| 5 | 4 | 4 | 7 | 4 | 5 | 4 |
| 4 | 3 | 3 | 6 | 3 | 4 | 3 |
| 3 | 3 | 2 | 5 | 3 | 3 | 3 |
| 2 | 2 | 2 | 4 | 2 | 2 | 2 |
| 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| 0 | 0 | 0 | 1 | 1 | 0 | 0 |

IGWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 2, EQUIPERCENTILE METHOD

| ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTRS (68 ED.) LEVEL 2 FORM C VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM H WORD MEANING | |
|---|---|--|--|---------------------------------------|------------------|--|------------------|--|------------------|
| | | | | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 40 | 50 | 30 | 42 | 38 | 36 | | | |
| 37 | 39 | 50 | 29 | 41 | 37 | 35 | | | |
| 36 | 38 | 49 | 28 | 41 | 36 | 34 | | | |
| 35 | 37 | 49 | 27 | 40 | 35 | 33 | | | |
| 34 | 36 | 48 | 26 | 39 | 34 | 32 | | | |
| 33 | 35 | 47 | 26 | 38 | 33 | 31 | | | |
| 32 | 34 | 47 | 25 | 37 | 32 | 30 | | | |
| 31 | 33 | 46 | 24 | 36 | 31 | 29 | | | |
| 30 | 32 | 46 | 24 | 36 | 30 | 28 | | | |
| 29 | 31 | 45 | 24 | 34 | 29 | 27 | | | |
| 28 | 30 | 45 | 23 | 33 | 28 | 26 | | | |
| 27 | 30 | 44 | 23 | 32 | 27 | 25 | | | |
| 26 | 29 | 44 | 22 | 31 | 26 | 24 | | | |
| 25 | 28 | 44 | 22 | 30 | 25 | 24 | | | |
| 24 | 27 | 43 | 21 | 29 | 24 | 23 | | | |
| 23 | 26 | 42 | 20 | 28 | 23 | 22 | | | |
| 22 | 26 | 41 | 20 | 27 | 22 | 21 | | | |
| 21 | 25 | 41 | 19 | 26 | 21 | 20 | | | |
| 20 | 25 | 40 | 19 | 25 | 20 | 19 | | | |
| 19 | 24 | 40 | 19 | 24 | 19 | 18 | | | |
| 18 | 23 | 39 | 18 | 23 | 18 | 17 | | | |
| 17 | 23 | 38 | 18 | 22 | 17 | 16 | | | |
| 16 | 22 | 36 | 17 | 21 | 16 | 15 | | | |
| 15 | 21 | 35 | 16 | 20 | 15 | 14 | | | |
| 14 | 20 | 34 | 16 | 19 | 14 | 13 | | | |
| 13 | 19 | 34 | 15 | 18 | 13 | 12 | | | |
| 12 | 18 | 33 | 15 | 17 | 12 | 11 | | | |
| 11 | 17 | 32 | 14 | 16 | 11 | 10 | | | |
| 10 | 16 | 32 | 14 | 15 | 10 | 9 | | | |
| 9 | 15 | 31 | 13 | 14 | 9 | 8 | | | |
| 8 | 14 | 30 | 13 | 13 | 8 | 7 | | | |
| 7 | 13 | 29 | 12 | 12 | 7 | 6 | | | |
| 6 | 12 | 28 | 12 | 11 | 6 | 5 | | | |
| 5 | 11 | 27 | 11 | 10 | 5 | 4 | | | |
| 4 | 10 | 26 | 10 | 9 | 4 | 3 | | | |
| 3 | 9 | 25 | 9 | 8 | 3 | 2 | | | |
| 2 | 8 | 24 | 8 | 7 | 2 | 1 | | | |
| 1 | 7 | 23 | 7 | 6 | 1 | 0 | | | |
| 0 | 6 | 22 | 6 | 5 | 0 | 0 | | | |
| | 5 | 21 | 5 | 4 | | | | | |
| | 4 | 20 | 4 | 3 | | | | | |
| | 3 | 19 | 3 | 2 | | | | | |
| | 2 | 18 | 2 | 1 | | | | | |
| | 1 | 17 | 1 | 0 | | | | | |
| | 0 | 16 | 0 | 0 | | | | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | | CTRS (68 ED.) LEVEL 2 FORM C VOCABULARY | | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM B WORD MEANING | |
|-----------|--|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 50 | 39 | 39 | 37 | 29 | 42 | 36 | 28 | 40 | 36 | 34 | 34 | |
| 49 | 37 | 37 | 36 | 28 | 39 | 34 | 26 | 39 | 32 | 32 | 32 | |
| 48 | 35 | 36 | 34 | 26 | 37 | 32 | 25 | 37 | 30 | 30 | 30 | |
| 47 | 33 | 34 | 32 | 25 | 35 | 31 | 24 | 35 | 28 | 28 | 28 | |
| 46 | 31 | 33 | 31 | 23 | 33 | 29 | 23 | 33 | 26 | 26 | 26 | |
| 45 | 29 | 31 | 29 | 22 | 31 | 27 | 22 | 31 | 24 | 24 | 24 | |
| 44 | 30 | 30 | 27 | 21 | 29 | 25 | 21 | 29 | 23 | 23 | 23 | |
| 43 | 26 | 28 | 25 | 20 | 27 | 24 | 20 | 27 | 22 | 22 | 22 | |
| 42 | 25 | 27 | 24 | 20 | 25 | 23 | 20 | 25 | 21 | 21 | 21 | |
| 41 | 24 | 26 | 23 | 19 | 24 | 21 | 19 | 24 | 20 | 20 | 20 | |
| 40 | 23 | 25 | 21 | 18 | 22 | 20 | 18 | 22 | 19 | 19 | 19 | |
| 39 | 22 | 24 | 20 | 18 | 21 | 19 | 18 | 21 | 18 | 18 | 18 | |
| 38 | 21 | 23 | 19 | 17 | 20 | 18 | 17 | 20 | 17 | 17 | 17 | |
| 37 | 22 | 22 | 18 | 17 | 19 | 17 | 17 | 19 | 16 | 16 | 16 | |
| 36 | 20 | 22 | 17 | 16 | 18 | 16 | 16 | 18 | 15 | 15 | 15 | |
| 35 | 15 | 21 | 17 | 16 | 17 | 16 | 16 | 17 | 14 | 14 | 14 | |
| 34 | 18 | 20 | 16 | 16 | 16 | 15 | 15 | 16 | 13 | 13 | 13 | |
| 33 | 18 | 20 | 16 | 15 | 15 | 15 | 15 | 15 | 12 | 12 | 12 | |
| 32 | 17 | 19 | 15 | 15 | 15 | 14 | 14 | 16 | 11 | 11 | 11 | |
| 31 | 16 | 19 | 15 | 14 | 14 | 14 | 14 | 14 | 10 | 10 | 10 | |
| 30 | 16 | 18 | 14 | 14 | 14 | 14 | 14 | 14 | 10 | 10 | 10 | |
| 29 | 15 | 17 | 14 | 14 | 14 | 13 | 13 | 14 | 9 | 9 | 9 | |
| 28 | 15 | 17 | 13 | 13 | 13 | 13 | 13 | 13 | 8 | 8 | 8 | |
| 27 | 15 | 16 | 13 | 13 | 13 | 12 | 12 | 14 | 8 | 8 | 8 | |
| 26 | 14 | 16 | 12 | 12 | 12 | 12 | 12 | 13 | 7 | 7 | 7 | |
| 25 | 14 | 15 | 12 | 12 | 12 | 12 | 12 | 12 | 7 | 7 | 7 | |
| 24 | 13 | 15 | 12 | 12 | 12 | 11 | 11 | 12 | 6 | 6 | 6 | |
| 23 | 13 | 14 | 11 | 11 | 11 | 11 | 11 | 11 | 6 | 6 | 6 | |
| 22 | 12 | 14 | 11 | 11 | 11 | 10 | 10 | 12 | 5 | 5 | 5 | |
| 21 | 12 | 13 | 11 | 11 | 11 | 10 | 10 | 11 | 5 | 5 | 5 | |
| 20 | 11 | 13 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 | 5 | |
| 19 | 11 | 12 | 10 | 10 | 10 | 9 | 9 | 10 | 4 | 4 | 4 | |
| 18 | 10 | 12 | 10 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 | |
| 17 | 10 | 11 | 9 | 8 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | |
| 16 | 9 | 11 | 8 | 8 | 8 | 8 | 8 | 8 | 3 | 3 | 3 | |
| 15 | 9 | 10 | 8 | 8 | 8 | 7 | 7 | 9 | 3 | 3 | 3 | |
| 14 | 8 | 10 | 8 | 7 | 7 | 7 | 7 | 8 | 2 | 2 | 2 | |
| 13 | 8 | 9 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 2 | 2 | |
| 12 | 7 | 8 | 7 | 6 | 6 | 6 | 6 | 6 | 2 | 2 | 2 | |
| 11 | 6 | 8 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | |
| 10 | 6 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 1 | 1 | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 2, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTRS (68 ED.) LEVEL 2 FORM Q VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE 1 FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 9 | 5 | 6 | 5 | 5 | 6 | 4 |
| 8 | 5 | 5 | 4 | 4 | 5 | 4 |
| 7 | 4 | 4 | 4 | 4 | 5 | 3 |
| 6 | 3 | 4 | 3 | 3 | 4 | 3 |
| 5 | 3 | 3 | 3 | 3 | 3 | 2 |
| 4 | 2 | 2 | 2 | 2 | 2 | 1 |
| 3 | 1 | 2 | 1 | 2 | 2 | 1 |
| 2 | 1 | 1 | 1 | 1 | 1 | 0 |
| 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 27. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 2, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM G VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|--|---|--|---|--|--|--|
|--|---|--|---|--|--|--|

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 42 | 40 | 38 | 50 | 30 | 37 | 35 |
| 41 | 38 | 37 | 50 | 28 | 27 | 33 |
| 40 | 37 | 35 | 49 | 27 | 27 | 32 |
| 39 | 36 | 34 | 48 | 27 | 26 | 31 |
| 38 | 35 | 33 | 48 | 25 | 25 | 30 |
| 37 | 34 | 33 | 47 | 25 | 25 | 29 |
| 36 | 34 | 32 | 47 | 24 | 24 | 28 |
| 35 | 33 | 31 | 46 | 24 | 24 | 27 |
| 34 | 32 | 30 | 46 | 23 | 23 | 26 |
| 33 | 31 | 29 | 45 | 23 | 23 | 25 |
| 32 | 30 | 28 | 45 | 22 | 22 | 24 |
| 31 | 30 | 27 | 44 | 22 | 22 | 24 |
| 30 | 29 | 26 | 44 | 21 | 21 | 23 |
| 29 | 28 | 25 | 43 | 21 | 21 | 22 |
| 28 | 28 | 25 | 43 | 20 | 20 | 21 |
| 27 | 27 | 24 | 42 | 20 | 20 | 21 |
| 26 | 27 | 23 | 42 | 20 | 20 | 20 |
| 25 | 26 | 22 | 41 | 19 | 19 | 20 |
| 24 | 25 | 22 | 40 | 19 | 19 | 19 |
| 23 | 25 | 21 | 40 | 18 | 18 | 19 |
| 22 | 24 | 20 | 39 | 18 | 18 | 18 |
| 21 | 23 | 19 | 38 | 18 | 18 | 18 |
| 20 | 22 | 18 | 37 | 17 | 17 | 17 |
| 19 | 22 | 18 | 36 | 17 | 17 | 17 |
| 18 | 21 | 17 | 35 | 16 | 16 | 16 |
| 17 | 20 | 16 | 33 | 15 | 15 | 15 |
| 16 | 19 | 15 | 32 | 15 | 15 | 14 |
| 15 | 18 | 14 | 30 | 14 | 14 | 14 |
| 14 | 17 | 13 | 28 | 13 | 13 | 13 |
| 13 | 16 | 12 | 26 | 12 | 12 | 12 |
| 12 | 14 | 11 | 23 | 11 | 11 | 11 |
| 11 | 13 | 10 | 20 | 10 | 10 | 10 |
| 10 | 11 | 9 | 17 | 9 | 9 | 9 |
| 9 | 10 | 8 | 15 | 8 | 8 | 8 |
| 8 | 9 | 7 | 13 | 7 | 7 | 7 |
| 7 | 8 | 6 | 11 | 6 | 6 | 6 |
| 6 | 6 | 5 | 9 | 5 | 5 | 5 |
| 5 | 5 | 4 | 8 | 4 | 4 | 4 |
| 4 | 4 | 3 | 6 | 3 | 3 | 3 |
| 3 | 3 | 2 | 5 | 2 | 2 | 2 |
| 2 | 2 | 2 | 4 | 2 | 2 | 2 |

TABLE 27. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 2, EQUIPERCENTILE METHOD

| | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | TTBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (64 ED.) INTERMEDIATE 1 FORM W WORD MEANING |
|-----------|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| 0 | 0 | 0 | 0 | 1 | 1 | 0 |

TABLE 28. ANCHOR TEST EQUATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR WORD MEANING

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | |
|-----------|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 40 | 38 | 50 | 30 | 42 | 36 | 50 | 30 | 42 | 36 | 50 | 42 |
| 37 | 40 | 38 | 50 | 30 | 42 | 36 | 50 | 30 | 42 | 36 | 50 | 42 |
| 36 | 39 | 37 | 50 | 29 | 42 | 36 | 50 | 29 | 42 | 36 | 50 | 42 |
| 35 | 38 | 37 | 50 | 28 | 41 | 35 | 50 | 28 | 41 | 35 | 50 | 41 |
| 34 | 37 | 36 | 49 | 28 | 41 | 35 | 49 | 28 | 41 | 35 | 49 | 41 |
| 33 | 37 | 35 | 49 | 27 | 40 | 34 | 49 | 27 | 40 | 34 | 49 | 40 |
| 32 | 36 | 34 | 48 | 27 | 40 | 34 | 48 | 27 | 40 | 34 | 48 | 39 |
| 31 | 35 | 34 | 48 | 26 | 39 | 33 | 48 | 26 | 39 | 33 | 48 | 38 |
| 30 | 34 | 33 | 47 | 25 | 38 | 32 | 47 | 25 | 38 | 32 | 47 | 37 |
| 29 | 33 | 32 | 47 | 25 | 38 | 32 | 47 | 25 | 38 | 32 | 47 | 36 |
| 28 | 31 | 31 | 46 | 24 | 37 | 31 | 46 | 24 | 37 | 31 | 46 | 35 |
| 27 | 30 | 30 | 46 | 24 | 37 | 31 | 46 | 24 | 37 | 31 | 46 | 34 |
| 26 | 29 | 29 | 45 | 23 | 36 | 30 | 45 | 23 | 36 | 30 | 45 | 33 |
| 25 | 28 | 28 | 44 | 23 | 36 | 30 | 44 | 23 | 36 | 30 | 44 | 32 |
| 24 | 27 | 27 | 44 | 22 | 35 | 29 | 44 | 22 | 35 | 29 | 44 | 30 |
| 23 | 26 | 25 | 43 | 21 | 34 | 28 | 43 | 21 | 34 | 28 | 43 | 29 |
| 22 | 25 | 24 | 42 | 20 | 33 | 27 | 42 | 20 | 33 | 27 | 42 | 27 |
| 21 | 24 | 23 | 41 | 20 | 33 | 27 | 41 | 20 | 33 | 27 | 41 | 26 |
| 20 | 23 | 22 | 40 | 19 | 32 | 26 | 40 | 19 | 32 | 26 | 40 | 24 |
| 19 | 22 | 21 | 39 | 18 | 31 | 25 | 39 | 18 | 31 | 25 | 39 | 23 |
| 18 | 21 | 19 | 38 | 18 | 30 | 24 | 38 | 18 | 31 | 24 | 38 | 21 |
| 17 | 20 | 18 | 37 | 17 | 29 | 23 | 37 | 17 | 30 | 23 | 37 | 20 |
| 16 | 19 | 17 | 35 | 16 | 28 | 22 | 35 | 16 | 29 | 22 | 35 | 18 |
| 15 | 18 | 16 | 33 | 15 | 27 | 21 | 33 | 15 | 29 | 21 | 33 | 17 |
| 14 | 16 | 15 | 31 | 14 | 26 | 20 | 31 | 14 | 30 | 20 | 31 | 16 |
| 13 | 15 | 13 | 29 | 13 | 25 | 19 | 29 | 13 | 31 | 19 | 29 | 15 |
| 12 | 14 | 13 | 26 | 12 | 24 | 18 | 26 | 12 | 32 | 18 | 26 | 13 |
| 11 | 13 | 12 | 23 | 11 | 23 | 17 | 23 | 11 | 33 | 17 | 23 | 12 |
| 10 | 12 | 11 | 20 | 10 | 22 | 16 | 20 | 10 | 34 | 16 | 20 | 11 |
| 9 | 10 | 10 | 18 | 9 | 21 | 15 | 18 | 9 | 35 | 15 | 18 | 10 |
| 8 | 9 | 9 | 15 | 8 | 20 | 14 | 15 | 8 | 36 | 14 | 15 | 9 |
| 7 | 8 | 8 | 14 | 7 | 19 | 13 | 14 | 7 | 37 | 13 | 14 | 8 |
| 6 | 7 | 7 | 12 | 6 | 18 | 12 | 12 | 6 | 38 | 12 | 12 | 7 |
| 5 | 6 | 6 | 10 | 5 | 17 | 11 | 10 | 5 | 39 | 11 | 10 | 7 |
| 4 | 5 | 5 | 9 | 4 | 16 | 10 | 9 | 4 | 40 | 10 | 9 | 6 |
| 3 | 4 | 4 | 7 | 3 | 15 | 9 | 7 | 3 | 41 | 9 | 7 | 5 |
| 2 | 3 | 3 | 5 | 2 | 14 | 8 | 5 | 2 | 42 | 8 | 5 | 3 |
| 1 | 1 | 1 | 3 | 1 | 13 | 7 | 3 | 1 | 43 | 7 | 3 | 2 |
| 0 | 0 | 0 | 1 | 0 | 12 | 6 | 1 | 0 | 44 | 6 | 1 | 0 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 3, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|---|--|---|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 41 | 39 | 60 | 31 | 43 | 35 |
| 39 | 40 | 38 | 58 | 30 | 42 | 34 |
| 38 | 39 | 37 | 57 | 29 | 41 | 34 |
| 37 | 38 | 36 | 55 | 29 | 40 | 33 |
| 36 | 37 | 35 | 54 | 28 | 39 | 32 |
| 35 | 36 | 34 | 53 | 27 | 38 | 31 |
| 34 | 35 | 33 | 51 | 27 | 36 | 30 |
| 33 | 34 | 32 | 50 | 26 | 35 | 29 |
| 32 | 33 | 31 | 49 | 25 | 34 | 28 |
| 31 | 32 | 30 | 47 | 25 | 33 | 27 |
| 30 | 31 | 29 | 46 | 24 | 32 | 26 |
| 29 | 30 | 28 | 45 | 23 | 30 | 25 |
| 28 | 29 | 27 | 43 | 22 | 29 | 24 |
| 27 | 28 | 26 | 42 | 22 | 28 | 23 |
| 26 | 27 | 25 | 41 | 21 | 27 | 22 |
| 25 | 26 | 24 | 39 | 20 | 26 | 21 |
| 24 | 25 | 23 | 38 | 20 | 24 | 21 |
| 23 | 24 | 22 | 37 | 19 | 23 | 20 |
| 22 | 23 | 21 | 35 | 18 | 22 | 19 |
| 21 | 22 | 20 | 34 | 18 | 21 | 18 |
| 20 | 21 | 19 | 32 | 17 | 20 | 17 |
| 19 | 20 | 18 | 31 | 16 | 19 | 16 |
| 18 | 19 | 17 | 30 | 15 | 17 | 15 |
| 17 | 18 | 16 | 28 | 15 | 16 | 14 |
| 16 | 17 | 15 | 27 | 14 | 15 | 13 |
| 15 | 16 | 14 | 25 | 13 | 14 | 12 |
| 14 | 15 | 13 | 24 | 13 | 13 | 11 |
| 13 | 14 | 12 | 23 | 12 | 11 | 10 |
| 12 | 13 | 11 | 22 | 11 | 10 | 9 |
| 11 | 12 | 10 | 20 | 10 | 9 | 8 |
| 10 | 11 | 9 | 19 | 10 | 8 | 8 |
| 9 | 10 | 8 | 18 | 9 | 7 | 7 |
| 8 | 9 | 7 | 16 | 8 | 5 | 6 |
| 7 | 8 | 6 | 15 | 8 | 4 | 5 |
| 6 | 7 | 5 | 14 | 7 | 3 | 4 |
| 5 | 6 | 4 | 12 | 6 | 2 | 3 |
| 4 | 5 | 3 | 11 | 6 | 1 | 2 |
| 3 | 4 | 2 | 9 | 5 | 0 | 1 |
| 2 | 3 | 1 | 8 | 4 | 0 | 0 |
| 1 | 2 | 0 | 7 | 3 | 0 | 0 |
| 0 | 1 | -1 | 5 | 3 | -4 | -2 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLINE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|---|---|--|--|---|--|------------------|------------------|------------------|------------------|------------------|
| 40 | 39 | 38 | 58 | 30 | 42 | 34 | | | | | |
| 39 | 38 | 37 | 57 | 29 | 41 | 33 | | | | | |
| 38 | 37 | 36 | 55 | 29 | 40 | 32 | | | | | |
| 37 | 36 | 35 | 54 | 28 | 39 | 32 | | | | | |
| 36 | 35 | 34 | 53 | 27 | 37 | 31 | | | | | |
| 35 | 34 | 33 | 51 | 27 | 36 | 30 | | | | | |
| 34 | 33 | 32 | 50 | 26 | 35 | 29 | | | | | |
| 33 | 32 | 31 | 49 | 25 | 34 | 28 | | | | | |
| 32 | 31 | 30 | 47 | 24 | 33 | 27 | | | | | |
| 31 | 30 | 29 | 46 | 24 | 31 | 26 | | | | | |
| 30 | 29 | 28 | 45 | 23 | 30 | 25 | | | | | |
| 29 | 28 | 27 | 43 | 22 | 29 | 24 | | | | | |
| 28 | 27 | 26 | 42 | 22 | 28 | 23 | | | | | |
| 27 | 26 | 25 | 40 | 21 | 27 | 22 | | | | | |
| 26 | 25 | 24 | 39 | 20 | 26 | 21 | | | | | |
| 25 | 24 | 23 | 38 | 20 | 24 | 21 | | | | | |
| 24 | 23 | 22 | 36 | 19 | 23 | 20 | | | | | |
| 23 | 22 | 21 | 35 | 18 | 22 | 19 | | | | | |
| 22 | 21 | 20 | 34 | 18 | 21 | 18 | | | | | |
| 21 | 20 | 19 | 32 | 17 | 20 | 17 | | | | | |
| 20 | 19 | 18 | 31 | 16 | 19 | 16 | | | | | |
| 19 | 18 | 17 | 30 | 15 | 17 | 15 | | | | | |
| 18 | 17 | 16 | 28 | 15 | 16 | 14 | | | | | |
| 17 | 16 | 15 | 27 | 14 | 15 | 14 | | | | | |
| 16 | 15 | 14 | 26 | 13 | 14 | 12 | | | | | |
| 15 | 14 | 13 | 24 | 13 | 13 | 11 | | | | | |
| 14 | 13 | 12 | 23 | 12 | 11 | 10 | | | | | |
| 13 | 12 | 11 | 22 | 11 | 10 | 9 | | | | | |
| 12 | 11 | 10 | 20 | 9 | 9 | 8 | | | | | |
| 11 | 10 | 9 | 19 | 10 | 8 | 7 | | | | | |
| 10 | 9 | 8 | 18 | 9 | 7 | 6 | | | | | |
| 9 | 8 | 7 | 16 | 8 | 6 | 5 | | | | | |
| 8 | 7 | 6 | 15 | 8 | 5 | 4 | | | | | |
| 7 | 6 | 5 | 14 | 7 | 4 | 3 | | | | | |
| 6 | 5 | 4 | 12 | 6 | 3 | 2 | | | | | |
| 5 | 4 | 3 | 11 | 6 | 2 | 1 | | | | | |
| 4 | 3 | 2 | 10 | 5 | 1 | 0 | | | | | |
| 3 | 2 | 1 | 8 | 4 | 0 | 0 | | | | | |
| 2 | 1 | 0 | 7 | 4 | 0 | 0 | | | | | |
| 1 | 0 | -1 | 6 | 3 | -1 | -1 | | | | | |
| 0 | -1 | -2 | 4 | 2 | -2 | -2 | | | | | |

TABLE 31. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 3, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|---|---|--|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 39 | 40 | 58 | 30 | 42 | 34 |
| 37 | 38 | 39 | 57 | 29 | 41 | 33 |
| 36 | 37 | 38 | 55 | 29 | 40 | 32 |
| 35 | 36 | 37 | 54 | 28 | 38 | 32 |
| 34 | 35 | 36 | 53 | 27 | 37 | 31 |
| 33 | 34 | 35 | 51 | 27 | 36 | 30 |
| 32 | 33 | 34 | 50 | 26 | 35 | 29 |
| 31 | 32 | 33 | 49 | 25 | 34 | 28 |
| 30 | 31 | 32 | 47 | 24 | 33 | 27 |
| 29 | 30 | 31 | 46 | 24 | 31 | 26 |
| 28 | 29 | 30 | 45 | 23 | 30 | 25 |
| 27 | 28 | 29 | 43 | 22 | 29 | 24 |
| 26 | 27 | 28 | 42 | 22 | 28 | 24 |
| 25 | 26 | 27 | 41 | 21 | 27 | 22 |
| 24 | 25 | 26 | 39 | 20 | 26 | 22 |
| 23 | 24 | 25 | 38 | 20 | 24 | 21 |
| 22 | 23 | 24 | 37 | 19 | 23 | 20 |
| 21 | 22 | 23 | 35 | 18 | 22 | 19 |
| 20 | 21 | 22 | 34 | 18 | 21 | 18 |
| 19 | 20 | 21 | 33 | 17 | 20 | 17 |
| 18 | 19 | 20 | 31 | 16 | 19 | 16 |
| 17 | 18 | 19 | 30 | 16 | 17 | 15 |
| 16 | 17 | 18 | 29 | 15 | 16 | 14 |
| 15 | 16 | 17 | 27 | 14 | 15 | 13 |
| 14 | 15 | 16 | 26 | 13 | 14 | 12 |
| 13 | 14 | 15 | 25 | 13 | 13 | 11 |
| 12 | 13 | 14 | 23 | 12 | 12 | 11 |
| 11 | 12 | 13 | 22 | 11 | 11 | 10 |
| 10 | 11 | 12 | 21 | 11 | 9 | 9 |
| 9 | 10 | 11 | 19 | 10 | 8 | 8 |
| 8 | 9 | 10 | 18 | 9 | 7 | 7 |
| 7 | 8 | 9 | 17 | 9 | 6 | 6 |
| 6 | 7 | 8 | 15 | 8 | 5 | 5 |
| 5 | 6 | 7 | 14 | 7 | 4 | 4 |
| 4 | 5 | 6 | 13 | 7 | 2 | 3 |
| 3 | 4 | 5 | 11 | 6 | 1 | 2 |
| 2 | 3 | 4 | 10 | 5 | 0 | 1 |
| 1 | 2 | 3 | 9 | 5 | -1 | 1 |
| 0 | 2 | 2 | 7 | 4 | -2 | 0 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAM SCORES FOR WORD KNOWLEDGE

PROCEDURE 3, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAM SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 50 | 33 | 34 | 32 | 26 | 35 | 29 |
| 49 | 32 | 33 | 31 | 25 | 34 | 28 |
| 48 | 33 | 33 | 31 | 25 | 33 | 28 |
| 47 | 31 | 32 | 30 | 24 | 33 | 27 |
| 46 | 30 | 31 | 29 | 24 | 32 | 26 |
| 45 | 29 | 30 | 28 | 23 | 31 | 26 |
| 44 | 29 | 30 | 28 | 23 | 30 | 25 |
| 43 | 28 | 29 | 27 | 22 | 29 | 24 |
| 42 | 27 | 28 | 26 | 22 | 28 | 23 |
| 41 | 26 | 27 | 25 | 21 | 27 | 23 |
| 40 | 26 | 27 | 25 | 21 | 26 | 22 |
| 39 | 25 | 26 | 24 | 20 | 25 | 21 |
| 38 | 24 | 25 | 23 | 20 | 25 | 21 |
| 37 | 23 | 24 | 22 | 19 | 24 | 20 |
| 36 | 23 | 24 | 22 | 19 | 23 | 19 |
| 35 | 22 | 23 | 21 | 18 | 22 | 19 |
| 34 | 21 | 22 | 20 | 18 | 21 | 18 |
| 33 | 20 | 21 | 19 | 17 | 20 | 17 |
| 32 | 20 | 21 | 19 | 17 | 19 | 17 |
| 31 | 19 | 20 | 18 | 16 | 18 | 16 |
| 30 | 18 | 19 | 17 | 16 | 18 | 15 |
| 29 | 18 | 19 | 16 | 15 | 17 | 15 |
| 28 | 17 | 18 | 16 | 15 | 16 | 14 |
| 27 | 16 | 17 | 15 | 14 | 15 | 13 |
| 26 | 16 | 16 | 14 | 13 | 14 | 12 |
| 25 | 15 | 16 | 13 | 13 | 13 | 12 |
| 24 | 14 | 15 | 13 | 12 | 12 | 11 |
| 23 | 13 | 14 | 12 | 12 | 11 | 10 |
| 22 | 12 | 13 | 11 | 11 | 10 | 10 |
| 21 | 12 | 13 | 10 | 11 | 9 | 9 |
| 20 | 11 | 12 | 10 | 10 | 9 | 8 |
| 19 | 10 | 11 | 9 | 10 | 8 | 8 |
| 18 | 10 | 10 | 8 | 9 | 7 | 7 |
| 17 | 9 | 10 | 7 | 9 | 6 | 6 |
| 16 | 8 | 9 | 7 | 8 | 5 | 6 |
| 15 | 7 | 8 | 6 | 8 | 4 | 5 |
| 14 | 7 | 7 | 5 | 7 | 4 | 4 |
| 13 | 6 | 7 | 4 | 7 | 3 | 4 |
| 12 | 5 | 6 | 4 | 6 | 2 | 3 |
| 11 | 4 | 5 | 3 | 6 | 1 | 2 |
| 10 | 3 | 4 | 2 | 5 | 0 | 1 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 3, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F | CAT (70 ED.) LEVEL 3 FORM A | CTRS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | STEP-11 (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|--------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------------------|--------------------------------|--|
| WORD KNOWLEDGE | VOCABULARY | VOCABULARY | VOCABULARY | PART 1 (VOCAB.) | VOCABULARY | WORD MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 9 | 3 | 4 | 1 | 5 | 1 | 1 |
| 8 | 2 | 3 | 1 | 4 | 2 | 0 |
| 7 | 1 | 2 | 0 | 4 | 3 | 1 |
| 6 | 1 | 1 | 1 | 3 | 3 | 1 |
| 5 | 0 | 1 | 2 | 3 | 4 | 2 |
| 4 | 1 | 0 | 2 | 2 | 5 | 3 |
| 3 | 2 | 1 | 3 | 2 | 6 | 3 |
| 2 | 3 | 2 | 4 | 1 | 7 | 4 |
| 1 | 4 | 3 | 5 | 1 | 8 | 5 |
| 0 | 5 | 4 | 5 | 0 | 9 | 5 |

EDUCATIONAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART I (VOCABULARY)

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A PART I (VOCAB.) | CTRS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|-----------|--|--|---|--|--|--|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 30 | 35 | 40 | 38 | 58 | 42 | 34 |
| 29 | 38 | 39 | 37 | 56 | 40 | 33 |
| 28 | 36 | 37 | 35 | 54 | 39 | 32 |
| 27 | 35 | 36 | 34 | 52 | 37 | 30 |
| 26 | 33 | 34 | 32 | 50 | 35 | 29 |
| 25 | 32 | 33 | 31 | 48 | 34 | 28 |
| 24 | 30 | 31 | 29 | 46 | 32 | 26 |
| 23 | 29 | 30 | 28 | 45 | 30 | 25 |
| 22 | 28 | 29 | 27 | 43 | 29 | 24 |
| 21 | 26 | 27 | 25 | 41 | 27 | 22 |
| 20 | 25 | 26 | 24 | 39 | 25 | 21 |
| 19 | 23 | 24 | 22 | 37 | 23 | 20 |
| 18 | 22 | 23 | 21 | 35 | 22 | 18 |
| 17 | 20 | 21 | 19 | 33 | 20 | 17 |
| 16 | 19 | 20 | 18 | 31 | 18 | 16 |
| 15 | 18 | 19 | 16 | 29 | 17 | 15 |
| 14 | 16 | 17 | 15 | 27 | 15 | 13 |
| 13 | 15 | 16 | 13 | 25 | 13 | 12 |
| 12 | 13 | 14 | 12 | 23 | 12 | 11 |
| 11 | 12 | 13 | 11 | 21 | 10 | 9 |
| 10 | 10 | 11 | 9 | 19 | 8 | 8 |
| 9 | 9 | 10 | 8 | 17 | 7 | 7 |
| 8 | 8 | 8 | 6 | 16 | 5 | 5 |
| 7 | 6 | 7 | 5 | 14 | 3 | 4 |
| 6 | 5 | 6 | 3 | 12 | 3 | 3 |
| 5 | 3 | 4 | 2 | 10 | 0 | 1 |
| 4 | 2 | 3 | 0 | 8 | - 2 | 0 |
| 3 | 0 | 1 | - 1 | 6 | - 4 | - 1 |
| 2 | - 1 | 0 | - 3 | 4 | - 5 | - 3 |
| 1 | - 2 | - 2 | - 4 | 2 | - 7 | - 4 |
| 0 | - 4 | - 3 | - 5 | 0 | - 9 | - 5 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 3, LINEAR METHOD

| SRA (71 ED.) BLUE FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 42 | 39 | 40 | 38 | 58 | 30 | 34 |
| 41 | 39 | 37 | 37 | 57 | 29 | 34 |
| 40 | 38 | 38 | 36 | 56 | 29 | 33 |
| 39 | 36 | 38 | 36 | 54 | 28 | 32 |
| 38 | 36 | 37 | 35 | 53 | 28 | 31 |
| 37 | 35 | 36 | 34 | 52 | 27 | 30 |
| 36 | 34 | 35 | 33 | 51 | 26 | 30 |
| 35 | 33 | 34 | 32 | 50 | 26 | 29 |
| 34 | 32 | 33 | 31 | 49 | 25 | 28 |
| 33 | 31 | 32 | 30 | 48 | 25 | 27 |
| 32 | 30 | 32 | 30 | 47 | 24 | 27 |
| 31 | 30 | 31 | 29 | 45 | 24 | 26 |
| 30 | 29 | 30 | 28 | 44 | 23 | 25 |
| 29 | 29 | 29 | 27 | 43 | 22 | 24 |
| 28 | 27 | 28 | 26 | 42 | 22 | 23 |
| 27 | 26 | 27 | 25 | 41 | 21 | 23 |
| 26 | 25 | 26 | 24 | 40 | 21 | 22 |
| 25 | 25 | 26 | 24 | 39 | 20 | 21 |
| 24 | 24 | 25 | 23 | 37 | 19 | 20 |
| 23 | 23 | 24 | 22 | 36 | 19 | 19 |
| 22 | 22 | 23 | 21 | 35 | 18 | 19 |
| 21 | 21 | 22 | 20 | 34 | 18 | 18 |
| 20 | 20 | 21 | 19 | 33 | 17 | 17 |
| 19 | 20 | 21 | 18 | 32 | 16 | 16 |
| 18 | 19 | 20 | 18 | 31 | 16 | 16 |
| 17 | 18 | 19 | 17 | 29 | 15 | 15 |
| 16 | 17 | 18 | 16 | 28 | 14 | 14 |
| 15 | 16 | 17 | 15 | 27 | 14 | 13 |
| 14 | 15 | 16 | 14 | 26 | 13 | 12 |
| 13 | 14 | 15 | 13 | 25 | 13 | 12 |
| 12 | 14 | 15 | 12 | 24 | 12 | 11 |
| 11 | 13 | 14 | 12 | 23 | 12 | 10 |
| 10 | 12 | 13 | 11 | 21 | 11 | 9 |
| 9 | 11 | 12 | 10 | 20 | 11 | 9 |
| 8 | 10 | 11 | 9 | 19 | 10 | 8 |
| 7 | 9 | 10 | 8 | 18 | 9 | 7 |
| 6 | 9 | 9 | 7 | 17 | 9 | 6 |
| 5 | 8 | 9 | 6 | 16 | 8 | 5 |
| 4 | 7 | 8 | 6 | 15 | 8 | 5 |
| 3 | 6 | 7 | 5 | 13 | 7 | 4 |
| 2 | 5 | 6 | 4 | 12 | 6 | 3 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 3, LINEAR METHOD

| SRA (71 ED.) BLUE FORM F VOCABULARY | CATS (68 ED.) LEVEL 2 FCRM Q VOCABULARY | ITBS (71 ED.) LEVEL 10 FCRM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|--|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | 4 | 3 | 11 | 6 | 2 |
| 0 | 4 | 2 | 10 | 5 | 1 |

TABLE 35. ANCHOR TEST EQUATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR WORD MEANING

PROCEDURE 3, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE 1 FORM W WORD MEANING | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM S VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 43 | 44 | 42 | 63 | 33 | 47 |
| 37 | 42 | 43 | 41 | 62 | 32 | 46 |
| 36 | 41 | 42 | 40 | 60 | 31 | 44 |
| 35 | 40 | 41 | 39 | 59 | 31 | 43 |
| 34 | 39 | 40 | 38 | 58 | 30 | 42 |
| 33 | 37 | 39 | 37 | 56 | 29 | 40 |
| 32 | 36 | 38 | 36 | 55 | 28 | 39 |
| 31 | 35 | 36 | 35 | 53 | 28 | 38 |
| 30 | 34 | 35 | 33 | 52 | 27 | 37 |
| 29 | 33 | 34 | 32 | 50 | 26 | 35 |
| 28 | 32 | 33 | 31 | 49 | 25 | 34 |
| 27 | 31 | 32 | 30 | 47 | 25 | 33 |
| 26 | 30 | 31 | 29 | 46 | 24 | 31 |
| 25 | 29 | 30 | 28 | 44 | 23 | 30 |
| 24 | 28 | 29 | 27 | 43 | 22 | 29 |
| 23 | 27 | 28 | 26 | 41 | 21 | 28 |
| 22 | 26 | 27 | 25 | 40 | 21 | 26 |
| 21 | 25 | 26 | 24 | 39 | 20 | 25 |
| 20 | 24 | 25 | 22 | 37 | 19 | 24 |
| 19 | 22 | 23 | 21 | 36 | 18 | 23 |
| 18 | 21 | 22 | 20 | 34 | 18 | 21 |
| 17 | 20 | 21 | 19 | 33 | 17 | 20 |
| 16 | 19 | 20 | 18 | 31 | 16 | 19 |
| 15 | 18 | 19 | 17 | 30 | 15 | 17 |
| 14 | 17 | 18 | 16 | 28 | 15 | 16 |
| 13 | 16 | 17 | 15 | 27 | 14 | 15 |
| 12 | 15 | 16 | 14 | 25 | 13 | 14 |
| 11 | 14 | 15 | 13 | 24 | 12 | 12 |
| 10 | 13 | 14 | 11 | 23 | 11 | 11 |
| 9 | 12 | 13 | 10 | 21 | 11 | 10 |
| 8 | 11 | 12 | 9 | 20 | 10 | 8 |
| 7 | 10 | 11 | 8 | 18 | 9 | 7 |
| 6 | 9 | 10 | 7 | 17 | 9 | 6 |
| 5 | 8 | 9 | 6 | 15 | 8 | 5 |
| 4 | 7 | 8 | 5 | 14 | 7 | 3 |
| 3 | 6 | 7 | 4 | 12 | 6 | 2 |
| 2 | 5 | 6 | 3 | 11 | 6 | 1 |
| 1 | 4 | 5 | 2 | 9 | 5 | 0 |
| 0 | 3 | 4 | 1 | 8 | 4 | 2 |

TABLE 37. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

PROCEDURE 3, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MA (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD PEAKING |
|--|---|---|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 38 | 50 | 30 | 42 | 38 | |
| 39 | 37 | 50 | 29 | 42 | 36 | |
| 38 | 37 | 49 | 29 | 41 | 35 | |
| 37 | 36 | 49 | 28 | 40 | 34 | |
| 36 | 35 | 48 | 27 | 39 | 32 | |
| 35 | 34 | 48 | 26 | 38 | 31 | |
| 34 | 33 | 47 | 26 | 37 | 30 | |
| 33 | 32 | 46 | 25 | 35 | 28 | |
| 32 | 31 | 46 | 24 | 34 | 27 | |
| 31 | 30 | 45 | 24 | 32 | 26 | |
| 30 | 28 | 44 | 23 | 31 | 25 | |
| 29 | 27 | 44 | 22 | 29 | 24 | |
| 28 | 26 | 43 | 22 | 28 | 23 | |
| 27 | 25 | 42 | 21 | 26 | 22 | |
| 26 | 24 | 41 | 20 | 25 | 21 | |
| 25 | 22 | 40 | 20 | 23 | 20 | |
| 24 | 21 | 39 | 19 | 21 | 19 | |
| 23 | 20 | 38 | 18 | 20 | 18 | |
| 22 | 19 | 36 | 18 | 19 | 17 | |
| 21 | 18 | 35 | 17 | 18 | 16 | |
| 20 | 17 | 34 | 17 | 17 | 15 | |
| 19 | 16 | 32 | 16 | 15 | 14 | |
| 18 | 15 | 30 | 15 | 15 | 14 | |
| 17 | 14 | 29 | 14 | 14 | 13 | |
| 16 | 13 | 27 | 14 | 13 | 12 | |
| 15 | 13 | 25 | 13 | 12 | 11 | |
| 14 | 12 | 23 | 12 | 12 | 11 | |
| 13 | 11 | 21 | 11 | 11 | 10 | |
| 12 | 10 | 19 | 10 | 10 | 9 | |
| 11 | 9 | 17 | 10 | 9 | 8 | |
| 10 | 9 | 15 | 9 | 9 | 8 | |
| 9 | 8 | 14 | 8 | 8 | 7 | |
| 8 | 7 | 12 | 7 | 7 | 6 | |
| 7 | 6 | 11 | 6 | 7 | 5 | |
| 6 | 5 | 9 | 5 | 6 | 4 | |
| 5 | 5 | 8 | 4 | 5 | 3 | |
| 4 | 4 | 6 | 3 | 4 | 2 | |
| 3 | 3 | 5 | 3 | 3 | 2 | |
| 2 | 2 | 3 | 2 | 2 | 1 | |
| 1 | 1 | 2 | 2 | 1 | 1 | |
| 0 | 0 | 0 | 1 | 0 | 0 | |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 3, EQUIPERCENTILE METHOD

| ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|---|---|--|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 40 | 50 | 30 | 42 | 38 | 38 |
| 37 | 39 | 50 | 29 | 41 | 36 | 36 |
| 36 | 37 | 49 | 28 | 40 | 34 | 34 |
| 35 | 36 | 48 | 27 | 39 | 33 | 33 |
| 34 | 35 | 48 | 27 | 38 | 31 | 31 |
| 33 | 34 | 47 | 26 | 37 | 30 | 30 |
| 32 | 33 | 47 | 25 | 36 | 29 | 29 |
| 31 | 32 | 46 | 24 | 34 | 28 | 28 |
| 30 | 30 | 45 | 24 | 33 | 26 | 26 |
| 29 | 31 | 45 | 23 | 32 | 25 | 25 |
| 28 | 30 | 44 | 23 | 31 | 25 | 25 |
| 27 | 29 | 43 | 22 | 29 | 24 | 24 |
| 26 | 28 | 43 | 21 | 28 | 23 | 23 |
| 25 | 27 | 42 | 21 | 26 | 22 | 22 |
| 24 | 25 | 41 | 20 | 25 | 21 | 21 |
| 23 | 24 | 40 | 20 | 24 | 20 | 20 |
| 22 | 23 | 40 | 19 | 22 | 19 | 19 |
| 21 | 22 | 39 | 19 | 21 | 19 | 19 |
| 20 | 21 | 38 | 18 | 20 | 18 | 18 |
| 19 | 21 | 36 | 18 | 19 | 17 | 17 |
| 18 | 20 | 35 | 17 | 18 | 16 | 16 |
| 17 | 19 | 34 | 17 | 17 | 15 | 15 |
| 16 | 18 | 32 | 16 | 15 | 14 | 14 |
| 15 | 17 | 30 | 15 | 15 | 14 | 14 |
| 14 | 17 | 28 | 14 | 14 | 13 | 13 |
| 13 | 16 | 26 | 13 | 13 | 12 | 12 |
| 12 | 14 | 23 | 13 | 12 | 11 | 11 |
| 11 | 13 | 21 | 11 | 11 | 10 | 10 |
| 10 | 11 | 18 | 10 | 10 | 9 | 9 |
| 9 | 10 | 16 | 9 | 9 | 8 | 8 |
| 8 | 9 | 14 | 8 | 8 | 7 | 7 |
| 7 | 8 | 12 | 7 | 7 | 6 | 6 |
| 6 | 6 | 10 | 6 | 6 | 5 | 5 |
| 5 | 5 | 8 | 5 | 5 | 4 | 4 |
| 4 | 4 | 7 | 4 | 4 | 3 | 3 |
| 3 | 3 | 5 | 3 | 3 | 2 | 2 |
| 2 | 2 | 4 | 2 | 2 | 1 | 1 |
| 1 | 1 | 2 | 2 | 1 | 1 | 1 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 |

METROPOLITAN ACHIEVEMENT (PAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 3, EQUIPERCENTILE METHOD

| MA (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE 1 FORM W WORD PEAKING |
|---|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 50 | 39 | 37 | 29 | 42 | 36 | |
| 49 | 37 | 36 | 28 | 40 | 34 | |
| 48 | 36 | 34 | 27 | 39 | 32 | |
| 47 | 34 | 33 | 26 | 37 | 30 | |
| 46 | 32 | 31 | 24 | 34 | 28 | |
| 45 | 30 | 30 | 23 | 32 | 26 | |
| 44 | 28 | 28 | 22 | 30 | 24 | |
| 43 | 27 | 28 | 22 | 28 | 23 | |
| 42 | 26 | 27 | 21 | 26 | 22 | |
| 41 | 25 | 24 | 20 | 25 | 21 | |
| 40 | 24 | 23 | 20 | 23 | 20 | |
| 39 | 23 | 21 | 19 | 22 | 19 | |
| 38 | 22 | 21 | 19 | 21 | 18 | |
| 37 | 21 | 20 | 18 | 19 | 17 | |
| 36 | 20 | 19 | 18 | 18 | 17 | |
| 35 | 20 | 18 | 17 | 18 | 16 | |
| 34 | 19 | 17 | 17 | 17 | 15 | |
| 33 | 18 | 17 | 16 | 16 | 15 | |
| 32 | 18 | 16 | 16 | 15 | 14 | |
| 31 | 17 | 15 | 15 | 15 | 14 | |
| 30 | 17 | 15 | 15 | 14 | 13 | |
| 29 | 16 | 14 | 14 | 14 | 13 | |
| 28 | 16 | 14 | 14 | 13 | 13 | |
| 27 | 15 | 14 | 14 | 13 | 12 | |
| 26 | 15 | 13 | 13 | 13 | 12 | |
| 25 | 14 | 13 | 13 | 12 | 12 | |
| 24 | 14 | 12 | 13 | 12 | 11 | |
| 23 | 14 | 12 | 12 | 12 | 11 | |
| 22 | 13 | 12 | 12 | 11 | 10 | |
| 21 | 13 | 11 | 12 | 11 | 10 | |
| 20 | 12 | 11 | 11 | 11 | 10 | |
| 19 | 12 | 10 | 11 | 10 | 9 | |
| 18 | 11 | 10 | 10 | 10 | 9 | |
| 17 | 11 | 10 | 10 | 10 | 8 | |
| 16 | 10 | 9 | 9 | 9 | 8 | |
| 15 | 9 | 10 | 9 | 9 | 7 | |
| 14 | 9 | 9 | 8 | 8 | 7 | |
| 13 | 8 | 9 | 8 | 8 | 6 | |
| 12 | 7 | 8 | 7 | 7 | 6 | |
| 11 | 7 | 7 | 7 | 6 | 5 | |
| 10 | 6 | 7 | 6 | 6 | 5 | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

PROCEDURE 3, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 9 | 6 | 6 | 5 | 5 | 6 | 4 |
| 8 | 5 | 5 | 5 | 4 | 5 | 3 |
| 7 | 4 | 5 | 4 | 4 | 4 | 3 |
| 6 | 4 | 4 | 3 | 3 | 4 | 2 |
| 5 | 3 | 3 | 3 | 3 | 3 | 2 |
| 4 | 2 | 3 | 2 | 2 | 2 | 1 |
| 3 | 2 | 2 | 2 | 2 | 2 | 1 |
| 2 | 1 | 1 | 1 | 2 | 1 | 1 |
| 1 | 0 | 1 | 0 | 1 | 1 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 |

INITIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART I (VOCABULARY)

PROCEDURE 3. EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (66 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 30 | 40 | 38 | 50 | 42 | 38 | |
| 29 | 39 | 37 | 50 | 41 | 36 | |
| 28 | 37 | 36 | 49 | 40 | 34 | |
| 27 | 36 | 35 | 48 | 39 | 32 | |
| 26 | 34 | 33 | 47 | 37 | 30 | |
| 25 | 33 | 32 | 47 | 36 | 29 | |
| 24 | 31 | 30 | 46 | 34 | 27 | |
| 23 | 29 | 29 | 45 | 31 | 25 | |
| 22 | 27 | 27 | 43 | 29 | 24 | |
| 21 | 26 | 25 | 42 | 27 | 22 | |
| 20 | 24 | 23 | 41 | 24 | 20 | |
| 19 | 23 | 21 | 39 | 22 | 19 | |
| 18 | 21 | 20 | 37 | 19 | 17 | |
| 17 | 20 | 18 | 35 | 17 | 16 | |
| 16 | 18 | 16 | 32 | 16 | 15 | |
| 15 | 17 | 15 | 30 | 14 | 13 | |
| 14 | 16 | 14 | 27 | 13 | 12 | |
| 13 | 14 | 13 | 25 | 12 | 11 | |
| 12 | 13 | 12 | 22 | 11 | 10 | |
| 11 | 12 | 11 | 20 | 11 | 10 | |
| 10 | 11 | 10 | 18 | 10 | 9 | |
| 9 | 10 | 9 | 16 | 9 | 8 | |
| 8 | 9 | 8 | 14 | 8 | 7 | |
| 7 | 8 | 7 | 12 | 7 | 6 | |
| 6 | 7 | 6 | 11 | 6 | 5 | |
| 5 | 6 | 5 | 9 | 6 | 4 | |
| 4 | 4 | 4 | 7 | 5 | 3 | |
| 3 | 3 | 3 | 5 | 3 | 2 | |
| 2 | 2 | 2 | 3 | 2 | 1 | |
| 1 | 0 | 0 | 1 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 3. EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 3 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 42 | 40 | 38 | 50 | 30 | 37 | 37 |
| 41 | 38 | 37 | 50 | 29 | 35 | 35 |
| 40 | 37 | 36 | 49 | 28 | 34 | 34 |
| 39 | 36 | 35 | 48 | 27 | 32 | 32 |
| 38 | 35 | 34 | 48 | 26 | 31 | 31 |
| 37 | 34 | 33 | 47 | 26 | 30 | 30 |
| 36 | 34 | 32 | 47 | 25 | 29 | 29 |
| 35 | 33 | 32 | 46 | 25 | 28 | 28 |
| 34 | 32 | 31 | 46 | 24 | 27 | 27 |
| 33 | 31 | 30 | 45 | 24 | 26 | 26 |
| 32 | 31 | 29 | 45 | 23 | 26 | 26 |
| 31 | 30 | 28 | 44 | 23 | 25 | 25 |
| 30 | 29 | 28 | 44 | 22 | 24 | 24 |
| 29 | 29 | 27 | 43 | 22 | 23 | 23 |
| 28 | 28 | 26 | 43 | 22 | 23 | 23 |
| 27 | 26 | 25 | 42 | 21 | 22 | 22 |
| 26 | 27 | 25 | 42 | 21 | 21 | 21 |
| 25 | 25 | 24 | 41 | 20 | 21 | 21 |
| 24 | 26 | 23 | 41 | 20 | 20 | 20 |
| 23 | 25 | 23 | 40 | 20 | 20 | 20 |
| 22 | 23 | 22 | 39 | 19 | 19 | 19 |
| 21 | 24 | 21 | 39 | 19 | 19 | 19 |
| 20 | 23 | 20 | 38 | 18 | 18 | 18 |
| 19 | 21 | 19 | 37 | 18 | 17 | 17 |
| 18 | 20 | 18 | 36 | 17 | 16 | 16 |
| 17 | 19 | 19 | 34 | 17 | 16 | 16 |
| 16 | 18 | 17 | 33 | 16 | 15 | 15 |
| 15 | 17 | 16 | 31 | 16 | 14 | 14 |
| 14 | 15 | 15 | 29 | 15 | 13 | 13 |
| 13 | 16 | 13 | 27 | 14 | 12 | 12 |
| 12 | 14 | 12 | 24 | 13 | 11 | 11 |
| 11 | 13 | 11 | 21 | 12 | 10 | 10 |
| 10 | 12 | 10 | 18 | 10 | 9 | 9 |
| 9 | 10 | 9 | 16 | 9 | 8 | 8 |
| 8 | 9 | 8 | 14 | 8 | 7 | 7 |
| 7 | 7 | 7 | 12 | 7 | 6 | 6 |
| 6 | 6 | 6 | 10 | 6 | 5 | 5 |
| 5 | 5 | 5 | 8 | 5 | 4 | 4 |
| 4 | 4 | 4 | 7 | 4 | 3 | 3 |
| 3 | 3 | 3 | 5 | 3 | 3 | 2 |
| 2 | 2 | 2 | 3 | 2 | 2 | 1 |

SRA ACHIEVEMENT SERIES (SPA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

PROCEDURE 3, EQUIPERCENTILE METHOD

| SR4 (71 ED.) BLUE FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR WORD MEANING

PROCEDURE 3, EQUIPERCENTILE METHOD

| | | | | | | |
|---|---|--|---|--|--|--|
| SAT (64 ED.) INTERMEDIATE, FORM W WORD MEANING | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | 11BS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY |
|---|---|--|---|--|--|--|

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 38 | 40 | 38 | 50 | 30 | 42 | 42 |
| 37 | 40 | 38 | 50 | 30 | 42 | 42 |
| 36 | 39 | 37 | 50 | 29 | 42 | 42 |
| 35 | 38 | 37 | 50 | 29 | 41 | 41 |
| 34 | 37 | 36 | 49 | 28 | 40 | 40 |
| 33 | 37 | 35 | 49 | 28 | 40 | 40 |
| 32 | 36 | 35 | 48 | 27 | 39 | 39 |
| 31 | 35 | 34 | 48 | 26 | 38 | 38 |
| 30 | 34 | 33 | 47 | 26 | 37 | 37 |
| 29 | 33 | 32 | 47 | 25 | 36 | 36 |
| 28 | 32 | 31 | 46 | 25 | 35 | 35 |
| 27 | 31 | 30 | 46 | 24 | 34 | 34 |
| 26 | 30 | 30 | 45 | 24 | 33 | 33 |
| 25 | 29 | 29 | 44 | 23 | 31 | 31 |
| 24 | 28 | 28 | 44 | 22 | 30 | 30 |
| 23 | 27 | 26 | 43 | 22 | 28 | 28 |
| 22 | 26 | 25 | 42 | 21 | 27 | 27 |
| 21 | 25 | 24 | 41 | 21 | 25 | 25 |
| 20 | 24 | 23 | 40 | 20 | 24 | 24 |
| 19 | 23 | 22 | 39 | 19 | 22 | 22 |
| 18 | 22 | 20 | 38 | 19 | 20 | 20 |
| 17 | 21 | 19 | 36 | 18 | 19 | 19 |
| 16 | 20 | 18 | 35 | 17 | 18 | 18 |
| 15 | 19 | 17 | 33 | 16 | 16 | 16 |
| 14 | 19 | 16 | 31 | 16 | 15 | 15 |
| 13 | 17 | 16 | 29 | 15 | 14 | 14 |
| 12 | 16 | 13 | 27 | 14 | 13 | 13 |
| 11 | 14 | 12 | 24 | 13 | 12 | 12 |
| 10 | 13 | 11 | 21 | 12 | 11 | 11 |
| 9 | 12 | 10 | 18 | 10 | 10 | 10 |
| 8 | 10 | 9 | 16 | 9 | 9 | 9 |
| 7 | 9 | 8 | 14 | 8 | 8 | 8 |
| 6 | 8 | 7 | 12 | 7 | 7 | 7 |
| 5 | 7 | 6 | 11 | 6 | 6 | 6 |
| 4 | 6 | 5 | 9 | 5 | 5 | 5 |
| 3 | 5 | 4 | 7 | 4 | 4 | 4 |
| 2 | 3 | 3 | 5 | 3 | 3 | 3 |
| 1 | 2 | 2 | 3 | 2 | 2 | 2 |
| 0 | 0 | 0 | 1 | 1 | 1 | 0 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTOS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | |
|-----------|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|--|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 42 | 39 | 61 | 31 | 44 | 36 | | | | | | | | |
| 39 | 41 | 38 | 60 | 30 | 43 | 35 | | | | | | | | |
| 38 | 40 | 37 | 58 | 29 | 42 | 34 | | | | | | | | |
| 37 | 39 | 36 | 57 | 29 | 41 | 33 | | | | | | | | |
| 36 | 38 | 35 | 55 | 28 | 40 | 32 | | | | | | | | |
| 35 | 37 | 34 | 54 | 27 | 39 | 31 | | | | | | | | |
| 34 | 36 | 33 | 53 | 27 | 37 | 30 | | | | | | | | |
| 33 | 35 | 32 | 51 | 26 | 36 | 30 | | | | | | | | |
| 32 | 34 | 31 | 50 | 25 | 35 | 29 | | | | | | | | |
| 31 | 33 | 30 | 49 | 25 | 34 | 28 | | | | | | | | |
| 30 | 32 | 29 | 47 | 24 | 33 | 27 | | | | | | | | |
| 29 | 31 | 28 | 46 | 23 | 32 | 26 | | | | | | | | |
| 28 | 30 | 27 | 45 | 22 | 30 | 25 | | | | | | | | |
| 27 | 29 | 26 | 43 | 22 | 29 | 24 | | | | | | | | |
| 26 | 28 | 25 | 42 | 21 | 28 | 23 | | | | | | | | |
| 25 | 27 | 24 | 40 | 20 | 27 | 22 | | | | | | | | |
| 24 | 26 | 23 | 39 | 20 | 26 | 21 | | | | | | | | |
| 23 | 25 | 22 | 38 | 19 | 25 | 20 | | | | | | | | |
| 22 | 24 | 21 | 36 | 18 | 23 | 20 | | | | | | | | |
| 21 | 23 | 20 | 35 | 17 | 22 | 19 | | | | | | | | |
| 20 | 22 | 19 | 34 | 17 | 21 | 18 | | | | | | | | |
| 19 | 21 | 18 | 32 | 16 | 20 | 17 | | | | | | | | |
| 18 | 20 | 17 | 31 | 15 | 19 | 16 | | | | | | | | |
| 17 | 19 | 16 | 30 | 15 | 18 | 15 | | | | | | | | |
| 16 | 18 | 15 | 28 | 14 | 17 | 14 | | | | | | | | |
| 15 | 17 | 14 | 27 | 13 | 15 | 13 | | | | | | | | |
| 14 | 16 | 13 | 25 | 13 | 14 | 12 | | | | | | | | |
| 13 | 15 | 12 | 24 | 12 | 13 | 11 | | | | | | | | |
| 12 | 14 | 11 | 23 | 11 | 12 | 10 | | | | | | | | |
| 11 | 13 | 10 | 21 | 10 | 11 | 9 | | | | | | | | |
| 10 | 12 | 9 | 20 | 10 | 10 | 9 | | | | | | | | |
| 9 | 11 | 8 | 19 | 9 | 9 | 8 | | | | | | | | |
| 8 | 10 | 7 | 17 | 8 | 7 | 7 | | | | | | | | |
| 7 | 9 | 6 | 16 | 8 | 6 | 6 | | | | | | | | |
| 6 | 8 | 5 | 15 | 7 | 5 | 5 | | | | | | | | |
| 5 | 7 | 4 | 13 | 6 | 4 | 4 | | | | | | | | |
| 4 | 6 | 3 | 12 | 6 | 3 | 3 | | | | | | | | |
| 3 | 5 | 2 | 10 | 5 | 2 | 2 | | | | | | | | |
| 2 | 4 | 1 | 9 | 4 | 1 | 1 | | | | | | | | |
| 1 | 3 | 0 | 8 | 3 | 0 | 0 | | | | | | | | |
| 0 | 2 | -1 | 6 | 3 | -1 | -1 | | | | | | | | |

TABLE 44. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| CTBS 168 ED.) LEVEL 2 FORM Q VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | ITBS (71 ED.) LEVEL 3 FORM S VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 38 | 37 | 58 | 29 | 42 | 34 |
| 39 | 37 | 36 | 57 | 29 | 41 | 33 |
| 38 | 36 | 35 | 55 | 28 | 40 | 32 |
| 37 | 35 | 34 | 54 | 27 | 38 | 31 |
| 36 | 34 | 33 | 53 | 27 | 37 | 31 |
| 35 | 33 | 32 | 51 | 26 | 36 | 30 |
| 34 | 32 | 31 | 50 | 25 | 35 | 29 |
| 33 | 31 | 30 | 49 | 25 | 34 | 28 |
| 32 | 30 | 29 | 47 | 24 | 33 | 27 |
| 31 | 29 | 28 | 46 | 23 | 32 | 26 |
| 30 | 28 | 27 | 45 | 22 | 30 | 25 |
| 29 | 27 | 26 | 43 | 22 | 29 | 24 |
| 28 | 26 | 25 | 42 | 21 | 28 | 23 |
| 27 | 25 | 24 | 40 | 20 | 27 | 22 |
| 26 | 24 | 23 | 39 | 20 | 26 | 21 |
| 25 | 23 | 22 | 38 | 19 | 25 | 20 |
| 24 | 22 | 21 | 36 | 18 | 24 | 20 |
| 23 | 21 | 20 | 35 | 18 | 22 | 19 |
| 22 | 20 | 19 | 34 | 17 | 21 | 18 |
| 21 | 19 | 18 | 32 | 16 | 20 | 17 |
| 20 | 18 | 17 | 31 | 15 | 19 | 16 |
| 19 | 17 | 16 | 30 | 15 | 18 | 15 |
| 18 | 16 | 15 | 28 | 14 | 17 | 14 |
| 17 | 15 | 14 | 27 | 13 | 16 | 13 |
| 16 | 14 | 13 | 26 | 13 | 14 | 12 |
| 15 | 13 | 12 | 24 | 12 | 13 | 11 |
| 14 | 12 | 11 | 23 | 11 | 12 | 10 |
| 13 | 11 | 10 | 21 | 11 | 11 | 9 |
| 12 | 10 | 9 | 20 | 10 | 10 | 9 |
| 11 | 9 | 8 | 19 | 9 | 9 | 8 |
| 10 | 8 | 7 | 17 | 8 | 7 | 7 |
| 9 | 7 | 6 | 16 | 8 | 6 | 6 |
| 8 | 6 | 5 | 15 | 7 | 5 | 5 |
| 7 | 5 | 4 | 13 | 6 | 4 | 4 |
| 6 | 4 | 3 | 12 | 6 | 3 | 3 |
| 5 | 3 | 2 | 11 | 5 | 2 | 2 |
| 4 | 2 | 1 | 9 | 4 | 1 | 1 |
| 3 | 1 | 0 | 8 | 3 | 1 | 0 |
| 2 | 0 | - 1 | 6 | 3 | - 1 | - 1 |
| 1 | - 1 | - 2 | 5 | 2 | - 3 | - 1 |
| 0 | - 2 | - 3 | 4 | 1 | - 4 | - 2 |

ICWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | MAT (70 E) ELEMENTA FORM F WORD KNOWLEDGE | STEP-11 (69 EO.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|---|---|--|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 41 | 59 | 30 | 43 | 35 | |
| 37 | 40 | 58 | 29 | 42 | 34 | |
| 36 | 39 | 56 | 29 | 40 | 33 | |
| 35 | 38 | 55 | 28 | 39 | 32 | |
| 34 | 37 | 54 | 27 | 38 | 31 | |
| 33 | 36 | 52 | 26 | 37 | 30 | |
| 32 | 35 | 51 | 26 | 36 | 29 | |
| 31 | 34 | 50 | 25 | 35 | 28 | |
| 30 | 33 | 48 | 24 | 34 | 28 | |
| 29 | 32 | 47 | 24 | 32 | 27 | |
| 28 | 31 | 46 | 23 | 31 | 26 | |
| 27 | 30 | 44 | 22 | 30 | 25 | |
| 26 | 29 | 43 | 22 | 29 | 24 | |
| 25 | 28 | 42 | 21 | 28 | 23 | |
| 24 | 27 | 40 | 20 | 27 | 22 | |
| 23 | 26 | 39 | 19 | 26 | 21 | |
| 22 | 25 | 38 | 19 | 25 | 20 | |
| 21 | 24 | 36 | 18 | 23 | 19 | |
| 20 | 23 | 35 | 17 | 22 | 19 | |
| 19 | 22 | 33 | 17 | 21 | 18 | |
| 18 | 21 | 32 | 16 | 20 | 17 | |
| 17 | 20 | 31 | 15 | 19 | 16 | |
| 16 | 19 | 29 | 15 | 18 | 15 | |
| 15 | 18 | 28 | 14 | 17 | 14 | |
| 14 | 17 | 27 | 13 | 15 | 13 | |
| 13 | 16 | 25 | 13 | 14 | 12 | |
| 12 | 15 | 24 | 12 | 13 | 11 | |
| 11 | 14 | 23 | 11 | 12 | 10 | |
| 10 | 13 | 21 | 10 | 11 | 9 | |
| 9 | 12 | 20 | 10 | 10 | 9 | |
| 8 | 11 | 19 | 9 | 9 | 8 | |
| 7 | 10 | 17 | 8 | 7 | 7 | |
| 6 | 9 | 16 | 8 | 6 | 6 | |
| 5 | 8 | 15 | 7 | 5 | 5 | |
| 4 | 7 | 13 | 6 | 4 | 4 | |
| 3 | 6 | 12 | 6 | 3 | 3 | |
| 2 | 5 | 11 | 5 | 2 | 2 | |
| 1 | 4 | 9 | 4 | 1 | 1 | |
| 0 | 3 | 8 | 3 | 0 | 0 | |

TABLE 46. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTRS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 50 | 32 | 34 | 31 | 25 | 35 | 29 |
| 49 | 31 | 33 | 31 | 25 | 34 | 28 |
| 48 | 31 | 33 | 30 | 24 | 33 | 27 |
| 47 | 30 | 32 | 29 | 24 | 33 | 27 |
| 46 | 29 | 31 | 28 | 23 | 32 | 26 |
| 45 | 28 | 30 | 28 | 23 | 31 | 25 |
| 44 | 28 | 30 | 27 | 22 | 30 | 25 |
| 43 | 27 | 29 | 26 | 22 | 29 | 24 |
| 42 | 26 | 28 | 25 | 21 | 28 | 23 |
| 41 | 26 | 28 | 25 | 21 | 28 | 23 |
| 40 | 25 | 27 | 24 | 20 | 27 | 22 |
| 39 | 24 | 26 | 23 | 20 | 26 | 21 |
| 38 | 23 | 25 | 22 | 19 | 25 | 21 |
| 37 | 23 | 25 | 22 | 19 | 24 | 20 |
| 36 | 22 | 24 | 21 | 18 | 23 | 19 |
| 35 | 21 | 23 | 20 | 18 | 22 | 19 |
| 34 | 20 | 22 | 20 | 17 | 22 | 18 |
| 33 | 20 | 22 | 19 | 16 | 21 | 17 |
| 32 | 19 | 21 | 18 | 16 | 20 | 17 |
| 31 | 18 | 20 | 17 | 15 | 19 | 16 |
| 30 | 17 | 19 | 17 | 15 | 18 | 15 |
| 29 | 17 | 19 | 16 | 14 | 17 | 15 |
| 28 | 16 | 18 | 15 | 14 | 17 | 14 |
| 27 | 15 | 17 | 14 | 13 | 16 | 13 |
| 26 | 15 | 16 | 14 | 13 | 15 | 13 |
| 25 | 14 | 15 | 13 | 12 | 14 | 12 |
| 24 | 13 | 15 | 12 | 12 | 13 | 11 |
| 23 | 12 | 14 | 11 | 11 | 12 | 11 |
| 22 | 12 | 14 | 11 | 11 | 11 | 10 |
| 21 | 11 | 13 | 10 | 10 | 11 | 9 |
| 20 | 10 | 12 | 9 | 10 | 10 | 9 |
| 19 | 9 | 11 | 8 | 9 | 9 | 8 |
| 18 | 9 | 11 | 8 | 9 | 8 | 7 |
| 17 | 8 | 10 | 7 | 8 | 7 | 7 |
| 16 | 7 | 9 | 6 | 8 | 6 | 6 |
| 15 | 6 | 8 | 5 | 7 | 6 | 5 |
| 14 | 6 | 8 | 5 | 7 | 5 | 5 |
| 13 | 5 | 7 | 4 | 6 | 4 | 4 |
| 12 | 4 | 6 | 3 | 6 | 3 | 3 |
| 11 | 4 | 5 | 2 | 5 | 2 | 3 |
| 10 | 3 | 5 | 2 | 5 | 1 | 2 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTRS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 9 | 2 | 4 | 1 | 4 | 1 | 1 |
| 8 | 1 | 3 | 0 | 4 | 0 | 1 |
| 7 | 1 | 2 | - 1 | 3 | - 1 | 0 |
| 6 | C | 2 | - 1 | 3 | - 2 | - 1 |
| 5 | - 1 | 1 | - 2 | 2 | - 3 | - 1 |
| 4 | - 2 | 0 | - 3 | 2 | - 4 | - 2 |
| 3 | - 2 | 0 | - 4 | 1 | - 5 | - 3 |
| 2 | - 3 | - 1 | - 4 | 1 | - 5 | - 3 |
| 1 | - 4 | - 2 | - 5 | 0 | - 6 | - 4 |
| 0 | - 5 | - 3 | - 6 | - 1 | - 7 | - 5 |

ESSENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART I (VOCABULARY)

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CIBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|--|---|--|---|--|--|--|-----------|------------------|------------------|------------------|------------------|------------------|
| 30 | 39 | 41 | 38 | 59 | 43 | 35 | | | | | | |
| 29 | 38 | 40 | 37 | 57 | 41 | 34 | | | | | | |
| 28 | 36 | 38 | 35 | 56 | 40 | 32 | | | | | | |
| 27 | 35 | 37 | 34 | 54 | 38 | 31 | | | | | | |
| 26 | 33 | 35 | 33 | 52 | 36 | 30 | | | | | | |
| 25 | 32 | 34 | 31 | 50 | 35 | 28 | | | | | | |
| 24 | 30 | 32 | 29 | 48 | 33 | 27 | | | | | | |
| 23 | 29 | 31 | 28 | 46 | 32 | 26 | | | | | | |
| 22 | 28 | 30 | 27 | 44 | 30 | 25 | | | | | | |
| 21 | 26 | 28 | 25 | 42 | 28 | 23 | | | | | | |
| 20 | 25 | 27 | 24 | 40 | 27 | 22 | | | | | | |
| 19 | 23 | 25 | 23 | 38 | 25 | 21 | | | | | | |
| 18 | 22 | 24 | 21 | 36 | 23 | 19 | | | | | | |
| 17 | 20 | 22 | 20 | 34 | 22 | 18 | | | | | | |
| 16 | 19 | 21 | 18 | 32 | 20 | 17 | | | | | | |
| 15 | 18 | 20 | 17 | 30 | 18 | 15 | | | | | | |
| 14 | 16 | 18 | 15 | 28 | 17 | 14 | | | | | | |
| 13 | 15 | 17 | 14 | 26 | 15 | 13 | | | | | | |
| 12 | 13 | 15 | 12 | 25 | 14 | 12 | | | | | | |
| 11 | 12 | 14 | 11 | 23 | 12 | 10 | | | | | | |
| 10 | 11 | 12 | 10 | 21 | 10 | 9 | | | | | | |
| 9 | 9 | 11 | 8 | 19 | 9 | 8 | | | | | | |
| 8 | 8 | 10 | 7 | 17 | 7 | 6 | | | | | | |
| 7 | 6 | 8 | 5 | 15 | 5 | 5 | | | | | | |
| 6 | 5 | 7 | 4 | 13 | 4 | 4 | | | | | | |
| 5 | 3 | 5 | 2 | 11 | 2 | 2 | | | | | | |
| 4 | 2 | 4 | 1 | 9 | 0 | 1 | | | | | | |
| 3 | 1 | 3 | - | 7 | - | 0 | | | | | | |
| 2 | - | 1 | - | 5 | - | - | | | | | | |
| 1 | - | 0 | - | 3 | - | - | | | | | | |
| 0 | - | - | - | 1 | - | - | | | | | | |

TABLE 18. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| SRA (71 ED.) BLUF FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 3 FORM C VOCABULARY | 1THS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING | RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|--|---|--|---|--|--|--|-----------|------------------|------------------|------------------|------------------|------------------|
| 42 | 33 | 40 | 38 | 58 | 30 | 34 | 34 | | | | | |
| 41 | 37 | 39 | 37 | 57 | 29 | 33 | 33 | | | | | |
| 40 | 36 | 38 | 36 | 56 | 28 | 33 | 33 | | | | | |
| 39 | 36 | 38 | 35 | 55 | 28 | 32 | 32 | | | | | |
| 38 | 35 | 37 | 34 | 54 | 27 | 31 | 31 | | | | | |
| 37 | 34 | 36 | 33 | 52 | 26 | 30 | 30 | | | | | |
| 35 | 35 | 35 | 32 | 51 | 26 | 29 | 29 | | | | | |
| 35 | 32 | 34 | 31 | 50 | 25 | 29 | 29 | | | | | |
| 34 | 31 | 33 | 31 | 49 | 25 | 28 | 28 | | | | | |
| 33 | 30 | 32 | 30 | 48 | 24 | 27 | 27 | | | | | |
| 32 | 29 | 31 | 29 | 46 | 23 | 26 | 26 | | | | | |
| 31 | 29 | 31 | 28 | 45 | 23 | 26 | 26 | | | | | |
| 30 | 28 | 30 | 27 | 44 | 22 | 25 | 25 | | | | | |
| 29 | 27 | 29 | 26 | 43 | 22 | 24 | 24 | | | | | |
| 28 | 26 | 28 | 25 | 42 | 21 | 23 | 23 | | | | | |
| 27 | 25 | 27 | 24 | 41 | 20 | 22 | 22 | | | | | |
| 26 | 24 | 26 | 23 | 39 | 20 | 22 | 22 | | | | | |
| 25 | 23 | 25 | 23 | 38 | 19 | 21 | 21 | | | | | |
| 24 | 23 | 25 | 22 | 37 | 19 | 20 | 20 | | | | | |
| 23 | 22 | 24 | 21 | 36 | 18 | 19 | 19 | | | | | |
| 22 | 21 | 23 | 20 | 35 | 18 | 18 | 18 | | | | | |
| 21 | 20 | 22 | 19 | 33 | 17 | 18 | 18 | | | | | |
| 20 | 19 | 21 | 18 | 32 | 16 | 17 | 17 | | | | | |
| 19 | 18 | 20 | 17 | 31 | 16 | 16 | 16 | | | | | |
| 18 | 17 | 19 | 16 | 30 | 15 | 15 | 15 | | | | | |
| 17 | 16 | 18 | 15 | 29 | 14 | 14 | 14 | | | | | |
| 16 | 16 | 18 | 15 | 28 | 14 | 14 | 14 | | | | | |
| 15 | 15 | 17 | 14 | 26 | 13 | 13 | 13 | | | | | |
| 14 | 14 | 16 | 13 | 25 | 12 | 12 | 12 | | | | | |
| 13 | 13 | 15 | 12 | 24 | 12 | 11 | 11 | | | | | |
| 12 | 12 | 14 | 11 | 23 | 11 | 10 | 10 | | | | | |
| 11 | 11 | 13 | 10 | 22 | 11 | 10 | 10 | | | | | |
| 10 | 10 | 12 | 9 | 20 | 10 | 9 | 9 | | | | | |
| 9 | 9 | 11 | 9 | 19 | 9 | 8 | 8 | | | | | |
| 8 | 8 | 10 | 8 | 18 | 9 | 7 | 7 | | | | | |
| 7 | 7 | 9 | 7 | 17 | 8 | 6 | 6 | | | | | |
| 6 | 6 | 8 | 6 | 16 | 8 | 6 | 6 | | | | | |
| 5 | 5 | 7 | 5 | 15 | 7 | 5 | 5 | | | | | |
| 4 | 4 | 6 | 4 | 13 | 6 | 4 | 4 | | | | | |
| 3 | 3 | 5 | 3 | 12 | 6 | 3 | 3 | | | | | |
| 2 | 2 | 4 | 2 | 11 | 5 | 2 | 2 | | | | | |

TABLE 48. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| SRA (71 ED.) ALUE FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|--|---|--|---|--|--|--|------------------|------------------|------------------|------------------|------------------|
| 1 | 3 | 5 | 1 | 10 | 4 | 2 | | | | | |
| 0 | 2 | 4 | 1 | 9 | 4 | 1 | | | | | |

TABLE 49. ANCHOR TEST EQUATING STUDY: GRADE 4
STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR WORD MEANING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTRS (68 ED.) LEVEL 2 FORM C VOCABULARY | | ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | |
|--|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 42 | 44 | 42 | 64 | 32 | 32 | 47 | 32 | 32 | 47 | 32 | 47 |
| 37 | 41 | 43 | 41 | 63 | 32 | 32 | 46 | 32 | 32 | 46 | 32 | 46 |
| 36 | 40 | 42 | 40 | 61 | 31 | 31 | 44 | 31 | 31 | 44 | 31 | 44 |
| 35 | 39 | 41 | 39 | 60 | 30 | 30 | 43 | 30 | 30 | 43 | 30 | 43 |
| 34 | 38 | 40 | 38 | 59 | 29 | 29 | 42 | 29 | 29 | 42 | 29 | 42 |
| 33 | 37 | 39 | 37 | 57 | 29 | 29 | 41 | 29 | 29 | 41 | 29 | 41 |
| 32 | 36 | 38 | 36 | 55 | 28 | 28 | 40 | 28 | 28 | 40 | 28 | 40 |
| 31 | 35 | 37 | 35 | 54 | 27 | 27 | 39 | 27 | 27 | 39 | 27 | 39 |
| 30 | 34 | 36 | 34 | 52 | 26 | 26 | 38 | 26 | 26 | 38 | 26 | 38 |
| 29 | 33 | 35 | 33 | 51 | 25 | 25 | 37 | 25 | 25 | 37 | 25 | 37 |
| 28 | 32 | 34 | 32 | 49 | 24 | 24 | 36 | 24 | 24 | 36 | 24 | 36 |
| 27 | 31 | 33 | 31 | 48 | 23 | 23 | 35 | 23 | 23 | 35 | 23 | 35 |
| 26 | 30 | 32 | 30 | 46 | 22 | 22 | 34 | 22 | 22 | 34 | 22 | 34 |
| 25 | 29 | 31 | 29 | 45 | 21 | 21 | 33 | 21 | 21 | 33 | 21 | 33 |
| 24 | 28 | 30 | 28 | 43 | 20 | 20 | 32 | 20 | 20 | 32 | 20 | 32 |
| 23 | 27 | 29 | 27 | 42 | 19 | 19 | 31 | 19 | 19 | 31 | 19 | 31 |
| 22 | 26 | 28 | 26 | 40 | 18 | 18 | 30 | 18 | 18 | 30 | 18 | 30 |
| 21 | 25 | 27 | 25 | 39 | 17 | 17 | 29 | 17 | 17 | 29 | 17 | 29 |
| 20 | 24 | 26 | 24 | 37 | 16 | 16 | 28 | 16 | 16 | 28 | 16 | 28 |
| 19 | 23 | 25 | 23 | 36 | 15 | 15 | 27 | 15 | 15 | 27 | 15 | 27 |
| 18 | 22 | 24 | 22 | 34 | 14 | 14 | 25 | 14 | 14 | 25 | 14 | 25 |
| 17 | 21 | 23 | 21 | 33 | 13 | 13 | 24 | 13 | 13 | 24 | 13 | 24 |
| 16 | 20 | 22 | 20 | 31 | 12 | 12 | 22 | 12 | 12 | 22 | 12 | 22 |
| 15 | 19 | 21 | 19 | 30 | 11 | 11 | 21 | 11 | 11 | 21 | 11 | 21 |
| 14 | 18 | 20 | 18 | 28 | 10 | 10 | 20 | 10 | 10 | 20 | 10 | 20 |
| 13 | 17 | 19 | 17 | 27 | 9 | 9 | 19 | 9 | 9 | 19 | 9 | 19 |
| 12 | 16 | 18 | 16 | 25 | 8 | 8 | 18 | 8 | 8 | 18 | 8 | 18 |
| 11 | 15 | 17 | 15 | 24 | 7 | 7 | 16 | 7 | 7 | 16 | 7 | 16 |
| 10 | 14 | 16 | 14 | 22 | 6 | 6 | 15 | 6 | 6 | 15 | 6 | 15 |
| 9 | 13 | 15 | 13 | 21 | 5 | 5 | 14 | 5 | 5 | 14 | 5 | 14 |
| 8 | 12 | 14 | 12 | 19 | 4 | 4 | 13 | 4 | 4 | 13 | 4 | 13 |
| 7 | 11 | 13 | 11 | 18 | 3 | 3 | 12 | 3 | 3 | 12 | 3 | 12 |
| 6 | 10 | 12 | 10 | 16 | 2 | 2 | 11 | 2 | 2 | 11 | 2 | 11 |
| 5 | 9 | 11 | 9 | 15 | 1 | 1 | 10 | 1 | 1 | 10 | 1 | 10 |
| 4 | 8 | 10 | 8 | 14 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 9 |
| 3 | 7 | 9 | 7 | 13 | 0 | 0 | 8 | 0 | 0 | 8 | 0 | 8 |
| 2 | 6 | 8 | 6 | 12 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 7 |
| 1 | 5 | 7 | 5 | 11 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 6 |
| 0 | 4 | 6 | 4 | 10 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 5 |
| | 3 | 5 | 3 | 9 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 4 |
| | 2 | 4 | 2 | 8 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 3 |
| | 1 | 3 | 1 | 7 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 2 |
| | 0 | 2 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| | | 1 | | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | | 4 | 0 | 0 | | 0 | 0 | | 0 | |
| | | | | 3 | 0 | 0 | | 0 | 0 | | 0 | |
| | | | | 2 | 0 | 0 | | 0 | 0 | | 0 | |
| | | | | 1 | 0 | 0 | | 0 | 0 | | 0 | |
| | | | | 0 | 0 | 0 | | 0 | 0 | | 0 | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM B WORD PEAKING |
|---|--|---|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 38 | 50 | 30 | 42 | 38 | |
| 39 | 37 | 50 | 29 | 42 | 36 | |
| 38 | 36 | 50 | 28 | 41 | 35 | |
| 37 | 36 | 49 | 28 | 40 | 34 | |
| 36 | 35 | 49 | 27 | 39 | 33 | |
| 35 | 34 | 48 | 26 | 38 | 32 | |
| 34 | 33 | 48 | 26 | 38 | 31 | |
| 33 | 32 | 47 | 25 | 37 | 30 | |
| 32 | 32 | 47 | 25 | 36 | 29 | |
| 31 | 31 | 46 | 24 | 35 | 28 | |
| 30 | 30 | 46 | 24 | 34 | 27 | |
| 29 | 29 | 45 | 23 | 33 | 26 | |
| 28 | 28 | 45 | 22 | 32 | 25 | |
| 27 | 27 | 44 | 22 | 30 | 24 | |
| 26 | 26 | 43 | 21 | 29 | 23 | |
| 25 | 25 | 42 | 21 | 27 | 22 | |
| 24 | 23 | 42 | 20 | 26 | 21 | |
| 23 | 22 | 41 | 19 | 25 | 20 | |
| 22 | 21 | 40 | 19 | 23 | 19 | |
| 21 | 20 | 38 | 18 | 22 | 18 | |
| 20 | 19 | 37 | 17 | 20 | 17 | |
| 19 | 18 | 36 | 17 | 19 | 16 | |
| 18 | 17 | 34 | 16 | 18 | 16 | |
| 17 | 16 | 33 | 15 | 16 | 15 | |
| 16 | 15 | 31 | 15 | 15 | 14 | |
| 15 | 14 | 29 | 14 | 14 | 13 | |
| 14 | 13 | 26 | 13 | 13 | 12 | |
| 13 | 12 | 24 | 12 | 12 | 11 | |
| 12 | 11 | 22 | 11 | 12 | 10 | |
| 11 | 10 | 19 | 10 | 11 | 10 | |
| 10 | 9 | 17 | 9 | 10 | 9 | |
| 9 | 8 | 15 | 8 | 9 | 8 | |
| 8 | 7 | 14 | 7 | 8 | 7 | |
| 7 | 6 | 12 | 6 | 7 | 6 | |
| 6 | 5 | 10 | 5 | 6 | 5 | |
| 5 | 4 | 8 | 4 | 5 | 4 | |
| 4 | 3 | 7 | 4 | 4 | 3 | |
| 3 | 2 | 5 | 3 | 3 | 2 | |
| 2 | 1 | 4 | 2 | 2 | 1 | |
| 1 | 0 | 3 | 1 | 1 | 0 | |
| 0 | 0 | 2 | 0 | 0 | 0 | |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | ITRS (71 ED.) LEVEL 1C FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FCRM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|---|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 40 | 38 | 50 | 30 | 42 | 38 | |
| 39 | 37 | 50 | 29 | 42 | 36 | |
| 38 | 36 | 49 | 28 | 41 | 35 | |
| 37 | 35 | 49 | 27 | 40 | 33 | |
| 36 | 34 | 48 | 27 | 39 | 32 | |
| 35 | 33 | 48 | 26 | 38 | 31 | |
| 34 | 32 | 47 | 25 | 37 | 30 | |
| 33 | 31 | 46 | 24 | 35 | 28 | |
| 32 | 30 | 46 | 24 | 34 | 27 | |
| 31 | 29 | 45 | 23 | 33 | 26 | |
| 30 | 28 | 44 | 22 | 31 | 25 | |
| 29 | 27 | 44 | 22 | 30 | 24 | |
| 28 | 26 | 43 | 21 | 28 | 23 | |
| 27 | 25 | 42 | 20 | 27 | 22 | |
| 26 | 24 | 41 | 20 | 25 | 21 | |
| 25 | 23 | 40 | 19 | 23 | 20 | |
| 24 | 22 | 39 | 18 | 22 | 19 | |
| 23 | 21 | 38 | 18 | 21 | 18 | |
| 22 | 20 | 36 | 17 | 19 | 17 | |
| 21 | 19 | 35 | 16 | 18 | 16 | |
| 20 | 18 | 34 | 16 | 17 | 15 | |
| 19 | 17 | 32 | 15 | 16 | 14 | |
| 18 | 16 | 30 | 14 | 15 | 14 | |
| 17 | 14 | 29 | 14 | 14 | 13 | |
| 16 | 15 | 27 | 13 | 13 | 12 | |
| 15 | 13 | 25 | 12 | 13 | 11 | |
| 14 | 12 | 22 | 11 | 12 | 11 | |
| 13 | 11 | 20 | 11 | 11 | 10 | |
| 12 | 10 | 18 | 10 | 10 | 9 | |
| 11 | 9 | 16 | 9 | 9 | 8 | |
| 10 | 8 | 15 | 8 | 8 | 8 | |
| 9 | 7 | 13 | 7 | 7 | 7 | |
| 8 | 7 | 12 | 7 | 7 | 6 | |
| 7 | 6 | 10 | 6 | 7 | 5 | |
| 6 | 5 | 9 | 5 | 6 | 4 | |
| 5 | 4 | 7 | 4 | 5 | 3 | |
| 4 | 3 | 6 | 3 | 4 | 3 | |
| 3 | 2 | 4 | 2 | 3 | 2 | |
| 2 | 1 | 2 | 2 | 2 | 1 | |
| 1 | 0 | 1 | 1 | 1 | 0 | |
| 0 | 0 | 1 | 0 | 0 | 0 | |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM H WORD MEANING |
|---|---|--|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 38 | 40 | 40 | 50 | 30 | 42 | 38 |
| 37 | 39 | 39 | 50 | 29 | 41 | 36 |
| 36 | 38 | 38 | 49 | 28 | 41 | 34 |
| 35 | 36 | 37 | 49 | 27 | 40 | 33 |
| 34 | 35 | 36 | 48 | 26 | 39 | 32 |
| 33 | 34 | 35 | 48 | 26 | 37 | 30 |
| 32 | 33 | 34 | 47 | 25 | 36 | 29 |
| 31 | 32 | 33 | 46 | 24 | 35 | 28 |
| 30 | 30 | 32 | 46 | 24 | 34 | 27 |
| 29 | 29 | 31 | 45 | 23 | 33 | 26 |
| 28 | 28 | 31 | 45 | 23 | 32 | 25 |
| 27 | 27 | 30 | 44 | 22 | 31 | 24 |
| 26 | 26 | 29 | 44 | 21 | 29 | 24 |
| 25 | 26 | 28 | 43 | 21 | 28 | 23 |
| 24 | 25 | 27 | 42 | 20 | 27 | 22 |
| 23 | 24 | 26 | 41 | 20 | 26 | 21 |
| 22 | 23 | 26 | 40 | 19 | 24 | 20 |
| 21 | 22 | 25 | 40 | 19 | 23 | 19 |
| 20 | 21 | 24 | 39 | 18 | 22 | 19 |
| 19 | 20 | 23 | 38 | 18 | 21 | 18 |
| 18 | 20 | 22 | 36 | 17 | 19 | 17 |
| 17 | 19 | 21 | 35 | 16 | 18 | 15 |
| 16 | 18 | 20 | 34 | 16 | 17 | 15 |
| 15 | 17 | 19 | 32 | 15 | 16 | 14 |
| 14 | 16 | 18 | 30 | 14 | 15 | 13 |
| 13 | 15 | 16 | 27 | 13 | 14 | 12 |
| 12 | 13 | 15 | 25 | 12 | 13 | 11 |
| 11 | 12 | 14 | 22 | 11 | 12 | 10 |
| 10 | 11 | 12 | 19 | 10 | 11 | 9 |
| 9 | 10 | 11 | 16 | 9 | 10 | 8 |
| 8 | 8 | 10 | 14 | 8 | 9 | 7 |
| 7 | 7 | 8 | 12 | 7 | 8 | 6 |
| 6 | 6 | 7 | 10 | 6 | 7 | 5 |
| 5 | 5 | 6 | 9 | 5 | 6 | 4 |
| 4 | 4 | 5 | 7 | 4 | 5 | 3 |
| 3 | 3 | 4 | 5 | 3 | 4 | 2 |
| 2 | 2 | 3 | 4 | 2 | 3 | 2 |
| 1 | 1 | 2 | 2 | 2 | 2 | 1 |
| 0 | 1 | 1 | 1 | 1 | 1 | 0 |

TABLE 53. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| RAW SCORE | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | | ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING | |
|-----------|--|------------------|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 50 | 39 | | 39 | 37 | 37 | 29 | 29 | 42 | | 29 | 42 | 29 | 36 | |
| 49 | 37 | | 37 | 36 | 36 | 28 | 28 | 40 | | 28 | 40 | 28 | 34 | |
| 48 | 35 | | 36 | 34 | 34 | 26 | 26 | 39 | | 26 | 39 | 26 | 32 | |
| 47 | 33 | | 34 | 32 | 32 | 25 | 25 | 37 | | 25 | 37 | 25 | 30 | |
| 46 | 31 | | 33 | 30 | 30 | 24 | 24 | 35 | | 24 | 35 | 24 | 28 | |
| 45 | 29 | | 31 | 29 | 29 | 23 | 23 | 33 | | 23 | 33 | 23 | 26 | |
| 44 | 27 | | 30 | 27 | 27 | 22 | 22 | 31 | | 22 | 31 | 22 | 24 | |
| 43 | 26 | | 28 | 25 | 25 | 21 | 21 | 29 | | 21 | 29 | 21 | 23 | |
| 42 | 25 | | 27 | 24 | 24 | 20 | 20 | 27 | | 20 | 27 | 20 | 22 | |
| 41 | 24 | | 26 | 23 | 23 | 20 | 20 | 25 | | 20 | 25 | 20 | 21 | |
| 40 | 23 | | 25 | 22 | 22 | 19 | 19 | 24 | | 19 | 24 | 19 | 20 | |
| 39 | 22 | | 24 | 20 | 20 | 18 | 18 | 22 | | 18 | 22 | 18 | 19 | |
| 38 | 21 | | 23 | 20 | 20 | 18 | 18 | 21 | | 18 | 21 | 18 | 18 | |
| 37 | 20 | | 23 | 19 | 19 | 17 | 17 | 20 | | 17 | 20 | 17 | 17 | |
| 36 | 19 | | 22 | 18 | 18 | 17 | 17 | 19 | | 17 | 19 | 17 | 17 | |
| 35 | 19 | | 21 | 17 | 17 | 16 | 16 | 18 | | 16 | 18 | 16 | 16 | |
| 34 | 18 | | 20 | 16 | 16 | 15 | 15 | 17 | | 15 | 17 | 15 | 15 | |
| 33 | 17 | | 20 | 16 | 16 | 15 | 15 | 17 | | 15 | 17 | 15 | 15 | |
| 32 | 17 | | 19 | 15 | 15 | 15 | 15 | 16 | | 15 | 16 | 15 | 14 | |
| 31 | 16 | | 18 | 15 | 15 | 15 | 15 | 15 | | 15 | 15 | 15 | 14 | |
| 30 | 16 | | 18 | 14 | 14 | 14 | 14 | 15 | | 15 | 15 | 15 | 14 | |
| 29 | 15 | | 17 | 14 | 14 | 14 | 14 | 14 | | 14 | 14 | 14 | 13 | |
| 28 | 15 | | 17 | 13 | 13 | 13 | 13 | 14 | | 14 | 14 | 13 | 13 | |
| 27 | 14 | | 16 | 13 | 13 | 13 | 13 | 14 | | 13 | 14 | 13 | 12 | |
| 26 | 14 | | 16 | 13 | 13 | 13 | 13 | 13 | | 13 | 13 | 13 | 12 | |
| 25 | 14 | | 15 | 12 | 12 | 12 | 12 | 12 | | 12 | 12 | 12 | 12 | |
| 24 | 14 | | 15 | 12 | 12 | 12 | 12 | 12 | | 12 | 12 | 12 | 11 | |
| 23 | 13 | | 14 | 12 | 12 | 12 | 12 | 12 | | 12 | 12 | 12 | 11 | |
| 22 | 12 | | 14 | 11 | 11 | 11 | 11 | 11 | | 11 | 11 | 11 | 10 | |
| 21 | 12 | | 13 | 11 | 11 | 11 | 11 | 11 | | 11 | 11 | 11 | 10 | |
| 20 | 11 | | 13 | 11 | 11 | 11 | 11 | 11 | | 11 | 11 | 11 | 10 | |
| 19 | 11 | | 12 | 10 | 10 | 10 | 10 | 10 | | 10 | 10 | 10 | 9 | |
| 18 | 11 | | 12 | 10 | 10 | 10 | 10 | 10 | | 10 | 10 | 10 | 9 | |
| 17 | 10 | | 11 | 9 | 9 | 9 | 9 | 9 | | 9 | 10 | 9 | 9 | |
| 16 | 10 | | 11 | 9 | 9 | 9 | 9 | 9 | | 9 | 10 | 9 | 8 | |
| 15 | 9 | | 10 | 9 | 9 | 8 | 8 | 9 | | 8 | 9 | 8 | 8 | |
| 14 | 8 | | 10 | 8 | 8 | 8 | 8 | 8 | | 8 | 9 | 8 | 7 | |
| 13 | 8 | | 9 | 8 | 8 | 7 | 7 | 8 | | 7 | 8 | 7 | 7 | |
| 12 | 7 | | 8 | 7 | 7 | 7 | 7 | 7 | | 7 | 8 | 7 | 6 | |
| 11 | 7 | | 8 | 6 | 6 | 6 | 6 | 6 | | 6 | 7 | 6 | 6 | |
| 10 | 6 | | 7 | 6 | 6 | 5 | 5 | 7 | | 5 | 7 | 5 | 5 | |

TABLE 53. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR WORD KNOWLEDGE

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | CAT (70 ED.) LEVEL 3 FCRM A VOCABULARY | CTRS (68 ED.) LEVEL 2 FCRM C VOCABULARY | ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 9 | 5 | 6 | 5 | 5 | 6 | 4 |
| 8 | 5 | 6 | 5 | 4 | 5 | 4 |
| 7 | 4 | 5 | 4 | 4 | 5 | 3 |
| 6 | 4 | 4 | 3 | 3 | 4 | 3 |
| 5 | 3 | 3 | 3 | 3 | 3 | 2 |
| 4 | 2 | 3 | 2 | 2 | 2 | 2 |
| 3 | 2 | 2 | 2 | 2 | 2 | 1 |
| 2 | 1 | 2 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 0 | 1 | 0 | 0 |
| 0 | 0 | 1 | 0 | 1 | 0 | 0 |

TABLE 54. ANCHOR TEST EQUATING STUDY: GRADE 4

ESSENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART I (VOCABULARY)

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 30 | 40 | 40 | 38 | 50 | 42 | 38 |
| 29 | 39 | 39 | 37 | 50 | 42 | 36 |
| 28 | 38 | 38 | 36 | 49 | 41 | 34 |
| 27 | 36 | 37 | 35 | 49 | 39 | 33 |
| 26 | 34 | 35 | 34 | 48 | 38 | 31 |
| 25 | 33 | 34 | 32 | 47 | 36 | 29 |
| 24 | 31 | 33 | 31 | 46 | 35 | 28 |
| 23 | 29 | 31 | 29 | 45 | 33 | 26 |
| 22 | 27 | 30 | 27 | 44 | 31 | 24 |
| 21 | 26 | 28 | 25 | 43 | 29 | 23 |
| 20 | 24 | 27 | 24 | 42 | 26 | 21 |
| 19 | 23 | 25 | 22 | 40 | 24 | 20 |
| 18 | 21 | 24 | 20 | 39 | 22 | 19 |
| 17 | 20 | 22 | 18 | 37 | 20 | 17 |
| 16 | 18 | 21 | 17 | 35 | 18 | 16 |
| 15 | 17 | 19 | 15 | 32 | 16 | 14 |
| 14 | 16 | 18 | 14 | 30 | 15 | 13 |
| 13 | 14 | 16 | 13 | 27 | 14 | 12 |
| 12 | 13 | 15 | 12 | 24 | 13 | 11 |
| 11 | 12 | 14 | 11 | 21 | 12 | 10 |
| 10 | 11 | 12 | 10 | 19 | 11 | 9 |
| 9 | 10 | 11 | 9 | 17 | 10 | 9 |
| 8 | 9 | 10 | 8 | 15 | 9 | 8 |
| 7 | 7 | 8 | 7 | 13 | 8 | 7 |
| 6 | 6 | 7 | 6 | 11 | 7 | 6 |
| 5 | 5 | 6 | 6 | 9 | 6 | 5 |
| 4 | 4 | 5 | 5 | 8 | 5 | 3 |
| 3 | 3 | 4 | 3 | 6 | 4 | 2 |
| 2 | 2 | 3 | 2 | 4 | 2 | 1 |
| 1 | 1 | 1 | 0 | 1 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM 1 WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 42 | 40 | 38 | 50 | 30 | 37 | 30 |
| 41 | 38 | 37 | 50 | 29 | 35 | 35 |
| 40 | 37 | 36 | 49 | 28 | 34 | 34 |
| 39 | 36 | 35 | 48 | 27 | 32 | 32 |
| 38 | 35 | 34 | 48 | 26 | 31 | 31 |
| 37 | 34 | 33 | 47 | 25 | 30 | 30 |
| 36 | 34 | 32 | 47 | 25 | 29 | 29 |
| 35 | 33 | 31 | 46 | 24 | 28 | 28 |
| 34 | 32 | 30 | 46 | 24 | 27 | 27 |
| 33 | 31 | 29 | 45 | 23 | 26 | 26 |
| 32 | 31 | 28 | 45 | 23 | 25 | 25 |
| 31 | 30 | 27 | 44 | 22 | 25 | 25 |
| 30 | 29 | 27 | 44 | 22 | 24 | 24 |
| 29 | 29 | 26 | 43 | 21 | 23 | 23 |
| 28 | 28 | 25 | 43 | 21 | 23 | 23 |
| 27 | 27 | 24 | 42 | 20 | 22 | 22 |
| 26 | 27 | 24 | 42 | 20 | 21 | 21 |
| 25 | 26 | 23 | 41 | 20 | 21 | 21 |
| 24 | 25 | 22 | 40 | 19 | 20 | 20 |
| 23 | 25 | 21 | 40 | 19 | 19 | 19 |
| 22 | 24 | 20 | 39 | 18 | 19 | 19 |
| 21 | 23 | 19 | 38 | 18 | 18 | 18 |
| 20 | 23 | 19 | 37 | 17 | 17 | 17 |
| 19 | 22 | 18 | 36 | 17 | 17 | 17 |
| 18 | 21 | 17 | 35 | 16 | 16 | 16 |
| 17 | 20 | 16 | 34 | 16 | 15 | 15 |
| 16 | 19 | 15 | 32 | 15 | 14 | 14 |
| 15 | 18 | 14 | 31 | 14 | 14 | 14 |
| 14 | 17 | 13 | 28 | 14 | 13 | 13 |
| 13 | 16 | 13 | 26 | 13 | 12 | 12 |
| 12 | 14 | 12 | 23 | 12 | 11 | 11 |
| 11 | 13 | 11 | 20 | 11 | 11 | 10 |
| 10 | 12 | 9 | 17 | 9 | 9 | 9 |
| 9 | 10 | 8 | 15 | 8 | 8 | 8 |
| 8 | 9 | 7 | 13 | 7 | 7 | 7 |
| 7 | 8 | 6 | 11 | 6 | 6 | 5 |
| 6 | 6 | 5 | 9 | 5 | 5 | 4 |
| 5 | 5 | 5 | 8 | 4 | 4 | 3 |
| 4 | 4 | 4 | 6 | 4 | 3 | 3 |
| 3 | 3 | 3 | 5 | 3 | 3 | 2 |
| 2 | 2 | 2 | 3 | 2 | 2 | 1 |

TABLE 55. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SPA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR VOCABULARY

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E VOCABULARY | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTPS (68 ED.) LEVEL 2 FORM C VOCABULARY | ITRS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|--|---|--|---|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | 1 | 2 | 1 | 2 | 1 | 1 |
| 0 | 1 | 1 | 0 | 1 | 1 | 0 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR WORD MEANING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (48 ED.) LEVEL 2 FORM C VOCABULARY | | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | MAT (70 ED.) ELEMENTARY FORM F WORD KNOWLEDGE | | STEP-11 (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | |
|--|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |

| | | | | | | |
|----|----|----|----|----|----|----|
| 39 | 40 | 40 | 38 | 50 | 30 | 42 |
| 37 | 40 | 38 | 38 | 50 | 30 | 42 |
| 26 | 39 | 37 | 37 | 50 | 29 | 42 |
| 35 | 38 | 37 | 37 | 50 | 28 | 41 |
| 34 | 37 | 36 | 36 | 49 | 28 | 40 |
| 33 | 37 | 35 | 35 | 49 | 27 | 40 |
| 32 | 36 | 35 | 35 | 46 | 27 | 39 |
| 31 | 35 | 34 | 34 | 48 | 26 | 38 |
| 30 | 34 | 33 | 33 | 47 | 26 | 37 |
| 29 | 32 | 32 | 32 | 47 | 25 | 36 |
| 28 | 31 | 31 | 31 | 46 | 24 | 35 |
| 27 | 30 | 30 | 30 | 46 | 24 | 34 |
| 26 | 29 | 29 | 29 | 45 | 23 | 33 |
| 25 | 30 | 28 | 28 | 45 | 23 | 32 |
| 24 | 27 | 27 | 27 | 44 | 22 | 30 |
| 23 | 26 | 26 | 26 | 43 | 21 | 29 |
| 22 | 25 | 24 | 24 | 42 | 21 | 27 |
| 21 | 24 | 23 | 23 | 41 | 20 | 26 |
| 20 | 23 | 22 | 22 | 40 | 19 | 24 |
| 19 | 22 | 21 | 21 | 39 | 18 | 23 |
| 18 | 21 | 19 | 19 | 38 | 18 | 21 |
| 17 | 20 | 18 | 18 | 37 | 17 | 20 |
| 16 | 19 | 17 | 17 | 35 | 16 | 18 |
| 15 | 17 | 16 | 16 | 33 | 16 | 17 |
| 14 | 16 | 15 | 15 | 31 | 15 | 16 |
| 13 | 15 | 14 | 14 | 29 | 14 | 14 |
| 12 | 14 | 13 | 13 | 27 | 13 | 13 |
| 11 | 13 | 12 | 12 | 24 | 12 | 12 |
| 10 | 12 | 11 | 11 | 21 | 11 | 11 |
| 9 | 10 | 10 | 10 | 18 | 10 | 10 |
| 8 | 9 | 9 | 9 | 16 | 9 | 9 |
| 7 | 8 | 8 | 8 | 14 | 8 | 8 |
| 6 | 7 | 7 | 7 | 12 | 7 | 8 |
| 5 | 6 | 6 | 6 | 10 | 6 | 7 |
| 4 | 5 | 5 | 5 | 9 | 5 | 6 |
| 3 | 4 | 4 | 4 | 7 | 4 | 5 |
| 2 | 3 | 3 | 3 | 5 | 3 | 3 |
| 1 | 2 | 2 | 2 | 3 | 2 | 2 |
| 0 | 1 | 1 | 0 | 1 | 1 | 0 |

LIST OF EQUATING TABLES AT GRADE 4
READING COMPREHENSION

| <u>Methods</u> | <u>Tests</u> | <u>Table Numbers</u> |
|--|-------------------|----------------------|
| Procedure 1: Linear Method | CAT | 57 |
| | CTBS | 58 |
| | ITBS | 59 |
| | MAT | 60 |
| | STEP II | 61 |
| | SRA | 62 |
| | SAT | 63 |
| Procedure 1: Equipercentile Method | CAT | 64 |
| | CTBS | 65 |
| | ITBS | 66 |
| | MAT | 67 |
| | STEP II | 68 |
| | SRA | 69 |
| | SAT | 70 |
| Procedure 2: Linear Method | CAT | 71 |
| | CTBS | 72 |
| | ITBS | 73 |
| | MAT | 74 |
| | STEP II | 75 |
| | SRA | 76 |
| | SAT | 77 |
| Procedure 2: Equipercentile Method | CAT | 78 |
| | CTBS | 79 |
| | ITBS | 80 |
| | MAT | 81 |
| | STEP II | 82 |
| | SRA | 83 |
| | SAT | 84 |
| Procedure 3: Linear Method | CAT | 85 |
| | CTBS | 86 |
| | ITBS | 87 |
| | MAT | 88 |
| | STEP II | 89 |
| | SRA | 90 |
| | SAT | 91 |
| Procedure 3: Equipercentile Method | CAT | 92 |
| | CTBS | 93 |
| | ITBS | 94 |
| | MAT | 95 |
| | STEP II | 96 |
| | SRA | 97 |
| | SAT | 98 |
| Average of Procedures 1 and 2 Linear Method | CAT | 99 |
| | CTBS | 100 |
| | ITBS | 101 |
| | MAT | 102 |
| | STEP II | 103 |
| | SRA | 104 |
| | SAT | 105 |
| Average of Procedures 1 and 2 Equipercentile Method | CAT | 106 |
| | CTBS | 107 |
| | ITBS | 108 |
| | MAT | 109 |
| | STEP II | 110 |
| | SRA | 111 |
| | SAT | 112 |

TABLE 57. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|--|---|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 42 | 50 | 67 | 54 | 30 | 47 | 59 |
| 41 | 49 | 65 | 52 | 29 | 45 | 57 |
| 40 | 47 | 64 | 51 | 29 | 44 | 56 |
| 39 | 45 | 62 | 50 | 28 | 43 | 54 |
| 38 | 45 | 60 | 48 | 27 | 42 | 53 |
| 37 | 44 | 58 | 47 | 26 | 41 | 51 |
| 36 | 42 | 57 | 46 | 25 | 39 | 50 |
| 35 | 41 | 55 | 45 | 25 | 38 | 49 |
| 34 | 40 | 53 | 43 | 24 | 37 | 47 |
| 33 | 39 | 51 | 42 | 23 | 36 | 46 |
| 32 | 37 | 50 | 41 | 22 | 35 | 44 |
| 31 | 36 | 48 | 39 | 21 | 34 | 43 |
| 30 | 35 | 46 | 38 | 20 | 32 | 41 |
| 29 | 34 | 45 | 37 | 20 | 31 | 40 |
| 28 | 32 | 43 | 35 | 19 | 30 | 38 |
| 27 | 31 | 41 | 34 | 18 | 29 | 37 |
| 26 | 30 | 39 | 33 | 17 | 28 | 35 |
| 25 | 29 | 38 | 32 | 16 | 27 | 34 |
| 24 | 27 | 36 | 30 | 16 | 25 | 32 |
| 23 | 26 | 34 | 29 | 15 | 24 | 31 |
| 22 | 25 | 32 | 28 | 14 | 23 | 29 |
| 21 | 24 | 31 | 26 | 13 | 22 | 28 |
| 20 | 23 | 29 | 25 | 12 | 21 | 26 |
| 19 | 21 | 27 | 24 | 12 | 20 | 25 |
| 18 | 20 | 26 | 22 | 11 | 18 | 24 |
| 17 | 19 | 24 | 21 | 10 | 17 | 22 |
| 16 | 18 | 22 | 20 | 9 | 16 | 21 |
| 15 | 16 | 20 | 19 | 8 | 15 | 19 |
| 14 | 15 | 19 | 17 | 8 | 14 | 18 |
| 13 | 14 | 17 | 16 | 7 | 12 | 16 |
| 12 | 13 | 15 | 15 | 6 | 11 | 15 |
| 11 | 11 | 13 | 13 | 5 | 10 | 13 |
| 10 | 10 | 12 | 12 | 4 | 9 | 12 |
| 9 | 9 | 10 | 11 | 4 | 8 | 10 |
| 8 | 8 | 8 | 9 | 3 | 7 | 9 |
| 7 | 6 | 7 | 8 | 2 | 5 | 7 |
| 6 | 5 | 5 | 7 | 1 | 4 | 6 |
| 5 | 4 | 3 | 5 | 0 | 3 | 4 |
| 4 | 3 | 1 | 4 | 0 | 2 | 3 |
| 3 | 1 | 0 | 3 | - 1 | 1 | 1 |
| 2 | 0 | 2 | 2 | - 2 | 0 | 0 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, LINEAR METHOD

| | | | | | | |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM Q | LTRS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-11 (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
| COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 1 | - 1 | - 4 | 0 | - 3 | - 2 | - 1 |
| 0 | - 2 | - 6 | - 1 | - 4 | - 3 | - 3 |



COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, LINEAR METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|---|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 45 | 38 | 60 | 49 | 27 | 42 | 53 |
| 44 | 37 | 59 | 48 | 26 | 41 | 52 |
| 43 | 37 | 58 | 47 | 26 | 40 | 51 |
| 42 | 36 | 56 | 45 | 25 | 39 | 50 |
| 41 | 35 | 55 | 44 | 24 | 38 | 48 |
| 40 | 34 | 53 | 43 | 24 | 37 | 47 |
| 39 | 33 | 52 | 42 | 23 | 35 | 45 |
| 38 | 33 | 51 | 41 | 22 | 35 | 45 |
| 37 | 32 | 49 | 40 | 22 | 34 | 44 |
| 36 | 31 | 48 | 39 | 21 | 33 | 42 |
| 35 | 30 | 46 | 38 | 21 | 33 | 41 |
| 34 | 29 | 45 | 37 | 20 | 32 | 40 |
| 33 | 29 | 44 | 36 | 19 | 31 | 39 |
| 32 | 28 | 42 | 35 | 19 | 30 | 38 |
| 31 | 27 | 41 | 34 | 18 | 29 | 37 |
| 30 | 26 | 39 | 33 | 17 | 28 | 35 |
| 29 | 25 | 38 | 32 | 17 | 27 | 34 |
| 28 | 25 | 37 | 31 | 16 | 26 | 33 |
| 27 | 24 | 35 | 30 | 15 | 25 | 32 |
| 26 | 23 | 34 | 29 | 15 | 24 | 31 |
| 25 | 22 | 33 | 28 | 14 | 23 | 29 |
| 24 | 21 | 31 | 27 | 13 | 22 | 28 |
| 23 | 20 | 30 | 26 | 13 | 21 | 27 |
| 22 | 20 | 28 | 25 | 12 | 20 | 26 |
| 21 | 19 | 27 | 24 | 12 | 19 | 25 |
| 20 | 18 | 24 | 22 | 11 | 18 | 24 |
| 19 | 17 | 24 | 21 | 10 | 17 | 22 |
| 18 | 16 | 23 | 20 | 10 | 16 | 21 |
| 17 | 16 | 21 | 19 | 9 | 15 | 20 |
| 16 | 15 | 20 | 18 | 8 | 15 | 19 |
| 15 | 14 | 19 | 17 | 8 | 14 | 18 |
| 14 | 13 | 17 | 16 | 7 | 13 | 16 |
| 13 | 12 | 16 | 15 | 6 | 12 | 15 |
| 12 | 12 | 14 | 14 | 6 | 11 | 14 |
| 11 | 11 | 13 | 13 | 5 | 10 | 13 |
| 10 | 10 | 12 | 12 | 4 | 9 | 12 |
| 9 | 9 | 10 | 11 | 4 | 8 | 11 |
| 8 | 8 | 9 | 10 | 3 | 7 | 9 |
| 7 | 8 | 8 | 9 | 3 | 6 | 8 |
| 6 | 7 | 6 | 8 | 2 | 5 | 7 |
| 5 | 6 | 5 | 7 | 1 | 4 | 6 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, LINEAR METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE 1 FORM W PARAGRAPH MEANING |
|---|--|--|--|--|--|---|
|---|--|--|--|--|--|---|

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 4 | 5 | 3 | 6 | 1 | 3 | 5 |
| 3 | 4 | 2 | 5 | 0 | 2 | 3 |
| 2 | 4 | 1 | 4 | - 1 | 1 | 2 |
| 1 | 3 | - 1 | 3 | - 1 | 0 | 1 |
| 0 | 2 | - 2 | 2 | - 2 | 0 | 0 |



IONA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) 8LUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING | EQUIVALENT SCORE | |
|--|--|---|--|--|--|---|------------------|------------------|
| | | | | | | | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 68 | 43 | 51 | 54 | 31 | 47 | 60 | | |
| 67 | 42 | 50 | 54 | 30 | 47 | 59 | | |
| 66 | 41 | 49 | 53 | 30 | 46 | 58 | | |
| 65 | 41 | 48 | 52 | 29 | 45 | 57 | | |
| 64 | 40 | 48 | 51 | 29 | 44 | 56 | | |
| 63 | 40 | 47 | 51 | 28 | 44 | 55 | | |
| 62 | 39 | 46 | 50 | 28 | 43 | 55 | | |
| 61 | 39 | 46 | 49 | 27 | 42 | 54 | | |
| 60 | 38 | 45 | 48 | 27 | 42 | 53 | | |
| 59 | 37 | 44 | 48 | 26 | 41 | 52 | | |
| 58 | 37 | 43 | 47 | 26 | 40 | 51 | | |
| 57 | 36 | 43 | 46 | 25 | 40 | 50 | | |
| 56 | 36 | 42 | 45 | 25 | 39 | 49 | | |
| 55 | 35 | 41 | 45 | 25 | 38 | 49 | | |
| 54 | 35 | 41 | 44 | 24 | 38 | 48 | | |
| 53 | 34 | 40 | 43 | 24 | 37 | 47 | | |
| 52 | 33 | 39 | 42 | 23 | 36 | 46 | | |
| 51 | 33 | 38 | 42 | 23 | 36 | 45 | | |
| 50 | 32 | 38 | 41 | 22 | 35 | 44 | | |
| 49 | 32 | 37 | 40 | 22 | 34 | 44 | | |
| 48 | 31 | 36 | 39 | 21 | 34 | 43 | | |
| 47 | 31 | 36 | 39 | 21 | 33 | 42 | | |
| 46 | 30 | 35 | 38 | 20 | 32 | 41 | | |
| 45 | 29 | 34 | 37 | 20 | 32 | 40 | | |
| 44 | 29 | 33 | 36 | 19 | 31 | 39 | | |
| 43 | 28 | 33 | 36 | 19 | 30 | 38 | | |
| 42 | 28 | 32 | 35 | 19 | 30 | 38 | | |
| 41 | 27 | 31 | 34 | 18 | 29 | 37 | | |
| 40 | 26 | 30 | 33 | 18 | 28 | 36 | | |
| 39 | 26 | 30 | 33 | 17 | 28 | 35 | | |
| 38 | 25 | 29 | 32 | 17 | 27 | 34 | | |
| 37 | 25 | 28 | 31 | 16 | 26 | 33 | | |
| 36 | 24 | 28 | 30 | 16 | 25 | 32 | | |
| 35 | 24 | 27 | 30 | 15 | 25 | 32 | | |
| 34 | 23 | 26 | 29 | 15 | 24 | 31 | | |
| 33 | 22 | 25 | 28 | 14 | 23 | 30 | | |
| 32 | 22 | 25 | 27 | 14 | 23 | 29 | | |
| 31 | 21 | 24 | 27 | 13 | 22 | 28 | | |
| 30 | 21 | 23 | 26 | 13 | 21 | 27 | | |
| 29 | 20 | 23 | 25 | 13 | 21 | 27 | | |
| 28 | 20 | 22 | 24 | 12 | 20 | 26 | | |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, LINEAR METHOD

ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) STEP-11 (59 ED.) LEVEL 4 FORM A PART 2 (COMPR.) SRA (71 ED.) BLUE FORM E READING (COMPR.) SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 27 | 19 | 21 | 24 | 12 | 19 | 25 | | |
| 26 | 18 | 20 | 23 | 11 | 19 | 24 | | |
| 25 | 18 | 20 | 22 | 11 | 23 | 23 | | |
| 24 | 17 | 19 | 21 | 10 | 17 | 22 | | |
| 23 | 17 | 18 | 21 | 10 | 17 | 21 | | |
| 22 | 16 | 18 | 20 | 9 | 16 | 21 | | |
| 21 | 15 | 17 | 19 | 9 | 15 | 20 | | |
| 20 | 15 | 16 | 18 | 8 | 15 | 19 | | |
| 19 | 14 | 15 | 18 | 8 | 14 | 18 | | |
| 18 | 14 | 15 | 17 | 7 | 13 | 17 | | |
| 17 | 13 | 14 | 16 | 7 | 13 | 16 | | |
| 16 | 13 | 13 | 15 | 6 | 12 | 15 | | |
| 15 | 12 | 12 | 15 | 6 | 11 | 15 | | |
| 14 | 11 | 12 | 14 | 6 | 11 | 14 | | |
| 13 | 11 | 11 | 13 | 5 | 10 | 13 | | |
| 12 | 10 | 10 | 12 | 5 | 9 | 12 | | |
| 11 | 10 | 10 | 11 | 4 | 9 | 11 | | |
| 10 | 9 | 9 | 11 | 4 | 8 | 10 | | |
| 9 | 9 | 8 | 10 | 3 | 7 | 10 | | |
| 8 | 8 | 7 | 9 | 3 | 6 | 9 | | |
| 7 | 7 | 7 | 8 | 2 | 6 | 8 | | |
| 6 | 7 | 6 | 8 | 2 | 5 | 7 | | |
| 5 | 6 | 5 | 7 | 1 | 4 | 6 | | |
| 4 | 6 | 5 | 6 | 1 | 4 | 5 | | |
| 3 | 5 | 4 | 5 | 0 | 3 | 4 | | |
| 2 | 4 | 3 | 5 | 0 | 2 | 4 | | |
| 1 | 4 | 2 | 4 | 0 | 2 | 3 | | |
| 0 | 3 | 2 | 3 | 1 | 1 | 2 | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 1. LINEAR METHOD

| | | | | | | |
|--------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------------------|--------------------------------|--|
| MAT (70 ED.) ELEMENTARY FORM F | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
| READING (COMPR.) | COMPREHENSION | COMPREHENSION | COMPREHENSION | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 45 | 35 | 42 | 56 | 25 | 39 | 49 |
| 44 | 35 | 41 | 54 | 24 | 38 | 48 |
| 43 | 34 | 40 | 53 | 24 | 37 | 47 |
| 42 | 33 | 39 | 52 | 23 | 36 | 46 |
| 41 | 32 | 38 | 50 | 22 | 35 | 45 |
| 40 | 32 | 37 | 49 | 22 | 34 | 43 |
| 39 | 31 | 36 | 48 | 21 | 33 | 42 |
| 38 | 30 | 35 | 46 | 20 | 32 | 41 |
| 37 | 29 | 34 | 45 | 20 | 32 | 40 |
| 36 | 29 | 33 | 44 | 19 | 31 | 39 |
| 35 | 28 | 32 | 42 | 19 | 30 | 38 |
| 34 | 27 | 31 | 41 | 18 | 29 | 37 |
| 33 | 26 | 30 | 40 | 17 | 28 | 36 |
| 32 | 25 | 29 | 38 | 17 | 27 | 34 |
| 31 | 25 | 28 | 37 | 16 | 26 | 33 |
| 30 | 24 | 27 | 36 | 16 | 25 | 32 |
| 29 | 23 | 26 | 34 | 15 | 24 | 31 |
| 28 | 22 | 25 | 33 | 14 | 23 | 30 |
| 27 | 22 | 24 | 32 | 14 | 23 | 29 |
| 26 | 21 | 23 | 30 | 13 | 22 | 28 |
| 25 | 20 | 23 | 29 | 12 | 21 | 27 |
| 24 | 19 | 22 | 28 | 12 | 20 | 25 |
| 23 | 19 | 21 | 26 | 11 | 19 | 24 |
| 22 | 18 | 20 | 25 | 11 | 18 | 23 |
| 21 | 17 | 19 | 24 | 10 | 17 | 22 |
| 20 | 16 | 18 | 22 | 9 | 16 | 21 |
| 19 | 15 | 17 | 21 | 9 | 15 | 20 |
| 18 | 15 | 16 | 20 | 8 | 14 | 19 |
| 17 | 14 | 15 | 18 | 8 | 14 | 17 |
| 16 | 13 | 14 | 17 | 7 | 13 | 16 |
| 15 | 12 | 13 | 16 | 6 | 12 | 15 |
| 14 | 12 | 12 | 14 | 6 | 11 | 14 |
| 13 | 11 | 11 | 13 | 5 | 10 | 13 |
| 12 | 10 | 10 | 12 | 4 | 9 | 12 |
| 11 | 9 | 9 | 10 | 4 | 8 | 11 |
| 10 | 8 | 8 | 9 | 3 | 7 | 10 |
| 9 | 7 | 7 | 8 | 3 | 6 | 8 |
| 8 | 7 | 6 | 6 | 2 | 5 | 7 |
| 7 | 6 | 5 | 5 | 1 | 5 | 6 |
| 6 | 5 | 4 | 4 | 1 | 4 | 5 |
| 5 | 5 | 3 | 2 | 0 | 3 | 4 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 1, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | STEP-11 (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------------------|--------------------------------|--|
| READING (COMPR.) | COMPREHENSION | COMPREHENSION | COMPREHENSION | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 2 | 1 | 0 | 2 | 3 | |
| 3 | 2 | 0 | - 1 | 1 | 2 | |
| 2 | 1 | - 1 | - 2 | 0 | 1 | |
| 1 | 0 | - 3 | - 2 | - 1 | 0 | |
| 0 | - 1 | - 4 | - 3 | - 2 | - 2 | |

ENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART 2 (COMPREHENSION)

PROCEDURE 1. LINEAR METHOD

| STEP-II (64 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 30 | 42 | 50 | 67 | 54 | 46 | 59 |
| 29 | 41 | 48 | 65 | 52 | 45 | 57 |
| 28 | 39 | 47 | 63 | 50 | 43 | 55 |
| 27 | 38 | 45 | 60 | 49 | 42 | 53 |
| 26 | 37 | 44 | 58 | 47 | 41 | 51 |
| 25 | 36 | 42 | 56 | 45 | 39 | 50 |
| 24 | 34 | 40 | 54 | 44 | 38 | 48 |
| 23 | 33 | 39 | 52 | 42 | 36 | 46 |
| 22 | 32 | 37 | 50 | 41 | 35 | 44 |
| 21 | 31 | 36 | 47 | 39 | 33 | 42 |
| 20 | 29 | 34 | 45 | 37 | 32 | 40 |
| 19 | 28 | 33 | 43 | 36 | 30 | 39 |
| 18 | 27 | 31 | 41 | 34 | 29 | 37 |
| 17 | 26 | 30 | 39 | 32 | 27 | 35 |
| 16 | 25 | 28 | 37 | 31 | 26 | 33 |
| 15 | 23 | 26 | 35 | 29 | 24 | 31 |
| 14 | 22 | 25 | 32 | 28 | 23 | 29 |
| 13 | 21 | 23 | 30 | 26 | 22 | 28 |
| 12 | 20 | 22 | 28 | 24 | 20 | 26 |
| 11 | 18 | 20 | 26 | 23 | 19 | 24 |
| 10 | 17 | 19 | 24 | 21 | 17 | 22 |
| 9 | 16 | 17 | 22 | 19 | 16 | 20 |
| 8 | 15 | 16 | 19 | 18 | 14 | 18 |
| 7 | 13 | 14 | 17 | 16 | 13 | 17 |
| 6 | 12 | 13 | 15 | 15 | 11 | 15 |
| 5 | 11 | 11 | 13 | 13 | 10 | 13 |
| 4 | 10 | 9 | 11 | 11 | 8 | 11 |
| 3 | 8 | 8 | 9 | 10 | 7 | 9 |
| 2 | 7 | 6 | 7 | 8 | 5 | 7 |
| 1 | 6 | 5 | 4 | 6 | 4 | 6 |
| 0 | 5 | 3 | 2 | 5 | 3 | 4 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|---------------|------------------------------------|---------------|-------------------------------------|---------------|--------------------------------------|------------------|---------------------------------------|---------------|--|-------------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | PARAGRAPH MEANING |
| 48 | 43 | 52 | 69 | 55 | 31 | 61 | | | | | | |
| 47 | 43 | 50 | 68 | 54 | 30 | 60 | | | | | | |
| 46 | 42 | 49 | 66 | 53 | 30 | 58 | | | | | | |
| 45 | 41 | 48 | 65 | 52 | 29 | 57 | | | | | | |
| 44 | 40 | 47 | 63 | 51 | 28 | 56 | | | | | | |
| 43 | 39 | 46 | 62 | 50 | 28 | 54 | | | | | | |
| 42 | 38 | 45 | 60 | 49 | 27 | 53 | | | | | | |
| 41 | 37 | 44 | 59 | 48 | 26 | 52 | | | | | | |
| 40 | 37 | 43 | 58 | 47 | 26 | 51 | | | | | | |
| 39 | 36 | 42 | 56 | 45 | 25 | 49 | | | | | | |
| 38 | 35 | 41 | 55 | 44 | 24 | 48 | | | | | | |
| 37 | 34 | 40 | 53 | 43 | 24 | 47 | | | | | | |
| 36 | 33 | 39 | 52 | 42 | 23 | 46 | | | | | | |
| 35 | 32 | 38 | 50 | 41 | 22 | 44 | | | | | | |
| 34 | 31 | 37 | 49 | 40 | 22 | 43 | | | | | | |
| 33 | 31 | 36 | 47 | 39 | 21 | 42 | | | | | | |
| 32 | 30 | 35 | 46 | 38 | 20 | 41 | | | | | | |
| 31 | 29 | 33 | 44 | 37 | 20 | 39 | | | | | | |
| 30 | 28 | 32 | 43 | 36 | 19 | 38 | | | | | | |
| 29 | 27 | 31 | 41 | 34 | 18 | 37 | | | | | | |
| 28 | 26 | 30 | 40 | 33 | 18 | 36 | | | | | | |
| 27 | 25 | 29 | 38 | 32 | 17 | 34 | | | | | | |
| 26 | 25 | 28 | 37 | 31 | 16 | 33 | | | | | | |
| 25 | 24 | 27 | 35 | 30 | 15 | 32 | | | | | | |
| 24 | 23 | 26 | 34 | 29 | 15 | 31 | | | | | | |
| 23 | 22 | 25 | 32 | 28 | 14 | 29 | | | | | | |
| 22 | 21 | 24 | 31 | 27 | 13 | 28 | | | | | | |
| 21 | 20 | 23 | 30 | 25 | 13 | 27 | | | | | | |
| 20 | 20 | 22 | 28 | 24 | 12 | 26 | | | | | | |
| 19 | 19 | 21 | 27 | 23 | 11 | 24 | | | | | | |
| 18 | 18 | 20 | 25 | 22 | 11 | 23 | | | | | | |
| 17 | 17 | 19 | 24 | 21 | 10 | 22 | | | | | | |
| 16 | 16 | 18 | 22 | 20 | 9 | 21 | | | | | | |
| 15 | 15 | 17 | 21 | 19 | 9 | 19 | | | | | | |
| 14 | 14 | 15 | 19 | 18 | 8 | 18 | | | | | | |
| 13 | 13 | 14 | 18 | 17 | 7 | 17 | | | | | | |
| 12 | 12 | 13 | 16 | 15 | 7 | 16 | | | | | | |
| 11 | 11 | 12 | 15 | 14 | 6 | 14 | | | | | | |
| 10 | 10 | 11 | 13 | 13 | 5 | 13 | | | | | | |
| 9 | 9 | 10 | 12 | 12 | 5 | 12 | | | | | | |
| 8 | 8 | 9 | 11 | 11 | 4 | 11 | | | | | | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM 0 COMPREHENSION | ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|-----------|--|---|--|--|--|---|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 7 | 8 | 8 | 9 | 10 | 3 | 9 |
| 6 | 8 | 7 | 7 | 9 | 2 | 8 |
| 5 | 7 | 6 | 6 | 8 | 2 | 7 |
| 4 | 6 | 5 | 4 | 7 | 1 | 6 |
| 3 | 5 | 4 | 3 | 5 | 0 | 4 |
| 2 | 4 | 3 | 2 | 4 | 0 | 3 |
| 1 | 3 | 2 | 0 | 3 | - 1 | 2 |
| 0 | 2 | 1 | - 1 | 2 | - 2 | 1 |



TABLE 63. ANCHOR TEST EQUATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR PARAGRAPH MEANING

PROCEDURE 1, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE 1 FORM W PARAGRAPH MEANING | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM C | | ITRS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|---|-----------------------------------|---------------|------------------------------------|---------------|-------------------------------------|---------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) |
| 60 | 43 | 51 | 69 | 31 | 55 | 31 | 55 | 31 | 47 | 31 | 47 | 31 |
| 59 | 42 | 50 | 67 | 30 | 54 | 30 | 54 | 30 | 46 | 30 | 46 | 30 |
| 58 | 42 | 49 | 66 | 30 | 53 | 30 | 53 | 30 | 46 | 30 | 46 | 30 |
| 57 | 41 | 48 | 65 | 29 | 52 | 29 | 52 | 29 | 45 | 29 | 45 | 29 |
| 56 | 40 | 48 | 64 | 29 | 51 | 29 | 51 | 29 | 44 | 29 | 44 | 29 |
| 55 | 39 | 47 | 63 | 28 | 50 | 28 | 50 | 28 | 43 | 28 | 43 | 28 |
| 54 | 39 | 46 | 61 | 28 | 49 | 28 | 49 | 28 | 43 | 28 | 43 | 28 |
| 53 | 38 | 45 | 60 | 27 | 49 | 27 | 49 | 27 | 42 | 27 | 42 | 27 |
| 52 | 37 | 44 | 59 | 26 | 48 | 26 | 48 | 26 | 41 | 26 | 41 | 26 |
| 51 | 37 | 43 | 58 | 26 | 47 | 26 | 47 | 26 | 40 | 26 | 40 | 26 |
| 50 | 36 | 42 | 57 | 25 | 46 | 25 | 46 | 25 | 40 | 25 | 40 | 25 |
| 49 | 35 | 42 | 56 | 25 | 45 | 25 | 45 | 25 | 39 | 25 | 39 | 25 |
| 48 | 35 | 41 | 54 | 24 | 44 | 24 | 44 | 24 | 38 | 24 | 38 | 24 |
| 47 | 34 | 40 | 53 | 24 | 43 | 24 | 43 | 24 | 37 | 24 | 37 | 24 |
| 46 | 33 | 39 | 52 | 23 | 42 | 23 | 42 | 23 | 36 | 23 | 36 | 23 |
| 45 | 33 | 38 | 51 | 23 | 41 | 23 | 41 | 23 | 36 | 23 | 36 | 23 |
| 44 | 32 | 37 | 50 | 22 | 41 | 22 | 41 | 22 | 35 | 22 | 35 | 22 |
| 43 | 31 | 37 | 48 | 22 | 40 | 22 | 40 | 22 | 34 | 22 | 34 | 22 |
| 42 | 31 | 36 | 47 | 21 | 39 | 21 | 39 | 21 | 33 | 21 | 33 | 21 |
| 41 | 30 | 35 | 46 | 20 | 38 | 20 | 38 | 20 | 32 | 20 | 32 | 20 |
| 40 | 29 | 34 | 45 | 20 | 37 | 20 | 37 | 20 | 32 | 20 | 32 | 20 |
| 39 | 29 | 33 | 44 | 19 | 36 | 19 | 36 | 19 | 31 | 19 | 31 | 19 |
| 38 | 28 | 32 | 43 | 19 | 35 | 19 | 35 | 19 | 30 | 19 | 30 | 19 |
| 37 | 27 | 31 | 41 | 18 | 34 | 18 | 34 | 18 | 29 | 18 | 29 | 18 |
| 36 | 27 | 31 | 40 | 18 | 34 | 18 | 34 | 18 | 28 | 18 | 28 | 18 |
| 35 | 26 | 30 | 39 | 17 | 33 | 17 | 33 | 17 | 28 | 17 | 28 | 17 |
| 34 | 25 | 29 | 38 | 17 | 32 | 17 | 32 | 17 | 27 | 17 | 27 | 17 |
| 33 | 25 | 28 | 37 | 16 | 31 | 16 | 31 | 16 | 26 | 16 | 26 | 16 |
| 32 | 24 | 27 | 36 | 16 | 30 | 16 | 30 | 16 | 25 | 16 | 25 | 16 |
| 31 | 23 | 26 | 34 | 15 | 29 | 15 | 29 | 15 | 24 | 15 | 24 | 15 |
| 30 | 22 | 26 | 33 | 14 | 28 | 14 | 28 | 14 | 24 | 14 | 24 | 14 |
| 29 | 22 | 25 | 32 | 14 | 27 | 14 | 27 | 14 | 23 | 14 | 23 | 14 |
| 28 | 21 | 24 | 31 | 13 | 26 | 13 | 26 | 13 | 22 | 13 | 22 | 13 |
| 27 | 20 | 23 | 30 | 13 | 26 | 13 | 26 | 13 | 21 | 13 | 21 | 13 |
| 26 | 20 | 22 | 28 | 12 | 25 | 12 | 25 | 12 | 20 | 12 | 20 | 12 |
| 25 | 19 | 21 | 27 | 12 | 24 | 12 | 24 | 12 | 20 | 12 | 20 | 12 |
| 24 | 18 | 20 | 26 | 11 | 23 | 11 | 23 | 11 | 19 | 11 | 19 | 11 |
| 23 | 18 | 20 | 25 | 11 | 22 | 11 | 22 | 11 | 18 | 11 | 18 | 11 |
| 22 | 17 | 19 | 24 | 10 | 21 | 10 | 21 | 10 | 17 | 10 | 17 | 10 |
| 21 | 16 | 18 | 23 | 10 | 20 | 10 | 20 | 10 | 16 | 10 | 16 | 10 |
| 20 | 16 | 17 | 21 | 9 | 19 | 9 | 19 | 9 | 16 | 9 | 16 | 9 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR PARAGRAPH MEANING

PROCEDURE 1, LINEAR METHOD

| SAT (54 ED.) INTERMEDIATE I FORM W | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E |
|--|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|
| PARAGRAPH MEANING | COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | READING (COMPR.) |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |

| | | | | | | |
|----|----|----|-----|----|-----|----|
| 19 | 15 | 16 | 20 | 18 | 8 | 15 |
| 18 | 14 | 15 | 19 | 18 | 8 | 14 |
| 17 | 14 | 15 | 18 | 17 | 7 | 13 |
| 16 | 13 | 14 | 17 | 16 | 7 | 12 |
| 15 | 12 | 13 | 16 | 15 | 6 | 12 |
| 14 | 12 | 12 | 14 | 14 | 6 | 11 |
| 13 | 11 | 11 | 13 | 13 | 5 | 11 |
| 12 | 10 | 10 | 12 | 12 | 5 | 10 |
| 11 | 10 | 9 | 11 | 11 | 4 | 9 |
| 10 | 9 | 9 | 10 | 10 | 4 | 8 |
| 9 | 8 | 8 | 9 | 10 | 3 | 8 |
| 8 | 7 | 7 | 7 | 9 | 2 | 7 |
| 7 | 6 | 6 | 6 | 8 | 2 | 6 |
| 6 | 6 | 5 | 5 | 7 | 2 | 5 |
| 5 | 5 | 4 | 4 | 6 | 1 | 5 |
| 4 | 4 | 4 | 3 | 5 | 1 | 4 |
| 3 | 4 | 3 | 1 | 4 | 0 | 4 |
| 2 | 3 | 2 | 0 | 3 | 0 | 2 |
| 1 | 3 | 1 | - 1 | 3 | - 1 | 1 |
| 0 | 2 | 0 | - 2 | 2 | - 2 | 0 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | TTBS (71 ED.) LEVEL 1C FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|-----------|--|---|--|--|--|--|---|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 42 | 45 | 67 | 45 | 30 | 48 | 58 | |
| 41 | 44 | 65 | 45 | 29 | 46 | 57 | |
| 40 | 43 | 63 | 44 | 29 | 45 | 56 | |
| 39 | 42 | 61 | 44 | 28 | 44 | 54 | |
| 38 | 42 | 59 | 43 | 27 | 43 | 52 | |
| 37 | 41 | 58 | 43 | 27 | 42 | 51 | |
| 36 | 40 | 57 | 42 | 26 | 40 | 50 | |
| 35 | 40 | 55 | 42 | 25 | 39 | 49 | |
| 34 | 39 | 54 | 41 | 24 | 38 | 47 | |
| 33 | 38 | 52 | 40 | 24 | 37 | 46 | |
| 32 | 37 | 50 | 40 | 23 | 35 | 44 | |
| 31 | 36 | 49 | 39 | 22 | 34 | 43 | |
| 30 | 35 | 47 | 38 | 21 | 33 | 41 | |
| 29 | 34 | 45 | 38 | 20 | 32 | 40 | |
| 28 | 34 | 44 | 37 | 19 | 31 | 39 | |
| 27 | 33 | 42 | 36 | 18 | 29 | 37 | |
| 26 | 31 | 40 | 35 | 17 | 28 | 36 | |
| 25 | 30 | 39 | 33 | 16 | 26 | 34 | |
| 24 | 29 | 36 | 32 | 15 | 25 | 33 | |
| 23 | 27 | 34 | 31 | 14 | 23 | 31 | |
| 22 | 25 | 31 | 29 | 13 | 22 | 29 | |
| 21 | 24 | 29 | 27 | 13 | 21 | 27 | |
| 20 | 22 | 27 | 26 | 12 | 20 | 26 | |
| 19 | 21 | 25 | 24 | 11 | 19 | 24 | |
| 18 | 19 | 24 | 22 | 11 | 18 | 23 | |
| 17 | 18 | 22 | 21 | 10 | 17 | 21 | |
| 16 | 16 | 21 | 19 | 9 | 16 | 20 | |
| 15 | 15 | 20 | 18 | 9 | 15 | 19 | |
| 14 | 14 | 18 | 16 | 8 | 14 | 17 | |
| 13 | 13 | 17 | 15 | 7 | 13 | 16 | |
| 12 | 12 | 16 | 14 | 7 | 12 | 15 | |
| 11 | 11 | 15 | 12 | 6 | 11 | 14 | |
| 10 | 10 | 14 | 11 | 5 | 10 | 13 | |
| 9 | 9 | 13 | 10 | 5 | 9 | 11 | |
| 8 | 8 | 11 | 8 | 4 | 8 | 10 | |
| 7 | 7 | 10 | 7 | 3 | 7 | 8 | |
| 6 | 6 | 8 | 6 | 3 | 6 | 7 | |
| 5 | 5 | 6 | 5 | 2 | 5 | 5 | |
| 4 | 4 | 5 | 4 | 2 | 4 | 4 | |
| 3 | 3 | 4 | 3 | 1 | 3 | 3 | |
| 2 | 2 | 2 | 2 | 1 | 2 | 2 | |

TABLE 64. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A | CTRS (68 ED.) LEVEL 2 FORM C | ITRS (71 ED.) LEVEL 10 FORM 4 S | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUF FORM E | SAT (64 ED.) INTERMEDIATE 1 FORM W |
|-----------------------------------|------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | READING (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, EQUIPERCENTILE METHOD

| CTBS (48 ED.) LEVEL 3 FORM C | CAT (70 ED.) LEVEL 3 FORM A | ITRS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-11 (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 45 | 42 | 67 | 45 | 30 | 48 | 58 |
| 44 | 41 | 65 | 45 | 29 | 46 | 57 |
| 43 | 40 | 63 | 44 | 29 | 45 | 56 |
| 42 | 39 | 60 | 43 | 28 | 43 | 53 |
| 41 | 37 | 58 | 43 | 27 | 42 | 51 |
| 40 | 36 | 56 | 42 | 26 | 40 | 49 |
| 39 | 34 | 54 | 41 | 25 | 38 | 48 |
| 38 | 33 | 52 | 40 | 24 | 37 | 46 |
| 37 | 32 | 50 | 40 | 23 | 35 | 44 |
| 36 | 31 | 49 | 39 | 21 | 34 | 43 |
| 35 | 30 | 47 | 38 | 20 | 33 | 41 |
| 34 | 29 | 45 | 37 | 19 | 31 | 39 |
| 33 | 28 | 43 | 36 | 19 | 30 | 38 |
| 32 | 27 | 41 | 35 | 18 | 29 | 37 |
| 31 | 26 | 40 | 34 | 17 | 27 | 36 |
| 30 | 25 | 38 | 33 | 16 | 26 | 34 |
| 29 | 24 | 37 | 32 | 16 | 25 | 33 |
| 28 | 24 | 35 | 31 | 15 | 24 | 32 |
| 27 | 23 | 34 | 31 | 14 | 23 | 31 |
| 26 | 22 | 32 | 30 | 14 | 22 | 30 |
| 25 | 22 | 31 | 29 | 13 | 22 | 29 |
| 24 | 21 | 30 | 28 | 13 | 21 | 28 |
| 23 | 20 | 28 | 26 | 12 | 20 | 26 |
| 22 | 20 | 27 | 25 | 12 | 19 | 25 |
| 21 | 19 | 26 | 24 | 11 | 19 | 24 |
| 20 | 19 | 24 | 23 | 11 | 18 | 23 |
| 19 | 18 | 23 | 22 | 10 | 17 | 22 |
| 18 | 17 | 22 | 21 | 10 | 17 | 21 |
| 17 | 17 | 21 | 20 | 10 | 16 | 20 |
| 16 | 16 | 20 | 19 | 9 | 15 | 19 |
| 15 | 15 | 19 | 17 | 8 | 14 | 18 |
| 14 | 14 | 18 | 16 | 8 | 14 | 17 |
| 13 | 13 | 17 | 15 | 7 | 13 | 16 |
| 12 | 12 | 16 | 13 | 7 | 12 | 15 |
| 11 | 11 | 15 | 12 | 6 | 11 | 14 |
| 10 | 10 | 14 | 11 | 5 | 10 | 12 |
| 9 | 9 | 13 | 9 | 4 | 9 | 11 |
| 8 | 8 | 11 | 8 | 4 | 8 | 9 |
| 7 | 7 | 9 | 7 | 3 | 6 | 8 |
| 6 | 6 | 8 | 6 | 2 | 5 | 6 |
| 5 | 5 | 6 | 5 | 2 | 4 | 5 |



COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, EQUIPERCENTILE METHOD

| CTRS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|---|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 5 | 4 | 4 | 2 | 4 | 4 |
| 3 | 4 | 3 | 3 | 1 | 3 | 3 |
| 2 | 3 | 2 | 2 | 1 | 2 | 2 |
| 1 | 1 | 1 | 1 | 0 | 2 | 1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 3 FORM A COMPREHENSION | CAT (70 ED.) LEVEL 2 FORM C COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|---|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 69 | 42 | 45 | 45 | 30 | 48 | 59 |
| 67 | 42 | 45 | 45 | 30 | 48 | 58 |
| 66 | 42 | 45 | 45 | 30 | 47 | 58 |
| 65 | 41 | 44 | 45 | 30 | 47 | 57 |
| 64 | 41 | 44 | 45 | 29 | 46 | 56 |
| 63 | 40 | 43 | 44 | 29 | 45 | 56 |
| 62 | 40 | 43 | 44 | 28 | 44 | 55 |
| 61 | 39 | 42 | 44 | 28 | 44 | 54 |
| 60 | 38 | 42 | 43 | 28 | 43 | 53 |
| 59 | 38 | 42 | 43 | 27 | 42 | 52 |
| 58 | 37 | 41 | 42 | 27 | 42 | 51 |
| 57 | 36 | 41 | 42 | 26 | 41 | 50 |
| 56 | 36 | 40 | 42 | 26 | 40 | 49 |
| 55 | 35 | 40 | 42 | 25 | 39 | 49 |
| 54 | 34 | 39 | 41 | 25 | 38 | 48 |
| 53 | 34 | 39 | 41 | 24 | 38 | 47 |
| 52 | 33 | 38 | 40 | 24 | 37 | 46 |
| 51 | 32 | 37 | 40 | 23 | 36 | 45 |
| 50 | 32 | 37 | 40 | 22 | 35 | 44 |
| 49 | 31 | 36 | 39 | 22 | 34 | 43 |
| 48 | 31 | 36 | 39 | 21 | 34 | 42 |
| 47 | 30 | 35 | 38 | 21 | 33 | 41 |
| 46 | 29 | 35 | 38 | 20 | 32 | 41 |
| 45 | 29 | 34 | 37 | 20 | 32 | 40 |
| 44 | 28 | 34 | 37 | 19 | 31 | 39 |
| 43 | 28 | 33 | 36 | 19 | 30 | 38 |
| 42 | 27 | 32 | 36 | 18 | 29 | 37 |
| 41 | 26 | 32 | 35 | 18 | 28 | 36 |
| 40 | 26 | 31 | 34 | 17 | 28 | 36 |
| 39 | 25 | 31 | 34 | 17 | 27 | 35 |
| 38 | 25 | 30 | 33 | 16 | 26 | 34 |
| 37 | 25 | 29 | 33 | 16 | 26 | 33 |
| 36 | 24 | 29 | 32 | 15 | 25 | 33 |
| 35 | 24 | 28 | 31 | 15 | 24 | 32 |
| 34 | 23 | 27 | 31 | 14 | 24 | 31 |
| 33 | 23 | 27 | 30 | 14 | 23 | 30 |
| 32 | 22 | 26 | 29 | 14 | 22 | 29 |
| 31 | 22 | 25 | 29 | 13 | 22 | 29 |
| 30 | 21 | 24 | 28 | 13 | 21 | 28 |
| 29 | 21 | 24 | 27 | 12 | 21 | 27 |
| 28 | 20 | 23 | 26 | 12 | 20 | 26 |

TABLE 66. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (1975) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1. EQUIPERCENTILE METHOD

| ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM N | |
|--|--|---|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | | | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 27 | 20 | 22 | 25 | 12 | 19 | 25 | 19 | 25 | 19 | 25 |
| 26 | 19 | 21 | 25 | 11 | 19 | 25 | 19 | 25 | 19 | 25 |
| 25 | 19 | 20 | 24 | 11 | 18 | 24 | 18 | 24 | 18 | 24 |
| 24 | 18 | 20 | 23 | 11 | 18 | 23 | 18 | 23 | 18 | 23 |
| 23 | 18 | 19 | 22 | 10 | 17 | 22 | 17 | 22 | 17 | 22 |
| 22 | 17 | 18 | 21 | 10 | 17 | 21 | 17 | 21 | 17 | 21 |
| 21 | 16 | 17 | 20 | 9 | 16 | 20 | 16 | 20 | 16 | 20 |
| 20 | 15 | 16 | 19 | 9 | 15 | 19 | 15 | 19 | 15 | 19 |
| 19 | 15 | 15 | 17 | 8 | 14 | 17 | 14 | 17 | 14 | 17 |
| 18 | 14 | 14 | 16 | 8 | 14 | 16 | 14 | 16 | 14 | 17 |
| 17 | 13 | 13 | 15 | 7 | 13 | 15 | 13 | 15 | 13 | 16 |
| 16 | 12 | 12 | 13 | 7 | 12 | 13 | 12 | 13 | 12 | 15 |
| 15 | 11 | 11 | 12 | 6 | 11 | 12 | 11 | 12 | 11 | 14 |
| 14 | 10 | 10 | 11 | 6 | 10 | 11 | 10 | 11 | 10 | 13 |
| 13 | 9 | 9 | 10 | 5 | 9 | 10 | 9 | 10 | 9 | 11 |
| 12 | 8 | 9 | 9 | 4 | 8 | 9 | 8 | 9 | 8 | 10 |
| 11 | 8 | 8 | 8 | 4 | 8 | 8 | 8 | 8 | 8 | 9 |
| 10 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 | 8 |
| 9 | 6 | 7 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 7 |
| 8 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 7 |
| 7 | 5 | 6 | 5 | 2 | 5 | 5 | 5 | 5 | 5 | 6 |
| 6 | 5 | 5 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 5 |
| 5 | 4 | 4 | 4 | 2 | 4 | 4 | 4 | 4 | 4 | 5 |
| 4 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 4 |
| 3 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 3 |
| 2 | 2 | 2 | 1 | 0 | 2 | 1 | 2 | 2 | 2 | 2 |
| 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 67. ANCHOR TEST ECJATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 1, EQUIPERCENTILE METHOD

MAT (70 ED.) ELEMENTARY FORM F CAT (70 ED.) LEVEL 3 FORM A CTRS (68 ED.) LEVEL 2 FORM C ITRS (71 ED.) LEVEL 10 FORM 5 STEP-II (69 ED.) LEVEL 4 FORM A SRA (71 ED.) BLUE FORM E SAT (64 ED.) INTERMEDIATE I FORM M
 READING (COMPR.) COMPREHENSION COMPREHENSION COMPREHENSION PART 2 (COMPR.) READING (COMPR.) PARAGRAPH MEANING

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 45 | 42 | 45 | 66 | 30 | 47 | 57 |
| 44 | 40 | 43 | 62 | 28 | 44 | 55 |
| 43 | 38 | 42 | 59 | 27 | 42 | 52 |
| 42 | 36 | 40 | 56 | 26 | 40 | 50 |
| 41 | 34 | 39 | 54 | 24 | 38 | 47 |
| 40 | 33 | 37 | 51 | 23 | 36 | 45 |
| 39 | 31 | 36 | 49 | 22 | 34 | 43 |
| 38 | 30 | 35 | 47 | 20 | 33 | 41 |
| 37 | 28 | 34 | 44 | 19 | 31 | 39 |
| 36 | 27 | 33 | 43 | 18 | 30 | 38 |
| 35 | 26 | 32 | 41 | 18 | 28 | 36 |
| 34 | 26 | 31 | 39 | 17 | 27 | 35 |
| 33 | 25 | 30 | 38 | 16 | 26 | 34 |
| 32 | 24 | 29 | 36 | 15 | 25 | 33 |
| 31 | 23 | 28 | 34 | 15 | 24 | 31 |
| 30 | 23 | 27 | 33 | 14 | 23 | 30 |
| 29 | 22 | 26 | 32 | 13 | 22 | 29 |
| 28 | 22 | 25 | 30 | 13 | 21 | 28 |
| 27 | 21 | 24 | 29 | 12 | 21 | 27 |
| 26 | 20 | 23 | 28 | 12 | 20 | 26 |
| 25 | 20 | 22 | 27 | 12 | 19 | 25 |
| 24 | 19 | 21 | 25 | 11 | 19 | 24 |
| 23 | 18 | 20 | 24 | 11 | 18 | 23 |
| 22 | 18 | 19 | 23 | 10 | 17 | 22 |
| 21 | 17 | 18 | 22 | 10 | 17 | 21 |
| 20 | 17 | 17 | 21 | 10 | 16 | 20 |
| 19 | 16 | 16 | 20 | 9 | 15 | 20 |
| 18 | 15 | 15 | 20 | 9 | 15 | 19 |
| 17 | 14 | 15 | 19 | 8 | 14 | 18 |
| 16 | 14 | 14 | 18 | 8 | 14 | 17 |
| 15 | 13 | 13 | 17 | 7 | 13 | 16 |
| 14 | 12 | 13 | 17 | 7 | 12 | 16 |
| 13 | 12 | 12 | 16 | 6 | 12 | 15 |
| 12 | 11 | 11 | 15 | 6 | 11 | 14 |
| 11 | 10 | 10 | 14 | 5 | 10 | 13 |
| 10 | 10 | 10 | 13 | 5 | 9 | 12 |
| 9 | 9 | 9 | 12 | 4 | 8 | 10 |
| 8 | 8 | 8 | 11 | 4 | 8 | 9 |
| 7 | 7 | 7 | 10 | 3 | 7 | 8 |
| 6 | 6 | 6 | 8 | 3 | 6 | 7 |
| 5 | 5 | 6 | 7 | 2 | 5 | 5 |



TABLE 67. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 1, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM H |
|--------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------------------|--------------------------------|--|
| READING (COMPR.) | COMPREHENSION | COMPREHENSION | COMPREHENSION | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 5 | 5 | 2 | 4 | 4 | 4 |
| 3 | 3 | 4 | 1 | 3 | 3 | 3 |
| 2 | 2 | 3 | 1 | 2 | 2 | 2 |
| 1 | 1 | 2 | 0 | 2 | 2 | 1 |
| 0 | 0 | 0 | 0 | 1 | 1 | 0 |

TABLE 66. ANCHOR TEST EQUATING STUDY: GRADE 4

INITIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART 2 (COMPREHENSION)

PROCEDURE 1, EQUIPERCENTILE METHOD

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 30 | 42 | 45 | 66 | 45 | 48 | 48 | 58 |
| 29 | 41 | 44 | 64 | 45 | 46 | 46 | 56 |
| 28 | 39 | 42 | 61 | 44 | 44 | 44 | 55 |
| 27 | 38 | 42 | 59 | 43 | 42 | 42 | 52 |
| 26 | 36 | 40 | 57 | 42 | 41 | 41 | 50 |
| 25 | 35 | 39 | 55 | 41 | 39 | 39 | 48 |
| 24 | 34 | 38 | 53 | 41 | 37 | 37 | 47 |
| 23 | 32 | 37 | 51 | 40 | 36 | 36 | 45 |
| 22 | 31 | 37 | 49 | 39 | 35 | 35 | 43 |
| 21 | 30 | 36 | 48 | 39 | 33 | 33 | 42 |
| 20 | 29 | 35 | 46 | 38 | 32 | 32 | 40 |
| 19 | 28 | 34 | 44 | 37 | 31 | 31 | 39 |
| 18 | 27 | 32 | 42 | 36 | 29 | 29 | 37 |
| 17 | 26 | 31 | 40 | 34 | 27 | 27 | 36 |
| 16 | 25 | 30 | 38 | 33 | 26 | 26 | 34 |
| 15 | 24 | 28 | 36 | 32 | 25 | 25 | 32 |
| 14 | 23 | 27 | 33 | 30 | 23 | 23 | 30 |
| 13 | 22 | 25 | 31 | 28 | 21 | 21 | 28 |
| 12 | 20 | 23 | 28 | 26 | 20 | 20 | 26 |
| 11 | 19 | 21 | 25 | 24 | 18 | 18 | 24 |
| 10 | 17 | 18 | 22 | 21 | 17 | 17 | 22 |
| 9 | 16 | 16 | 20 | 19 | 15 | 15 | 19 |
| 8 | 14 | 15 | 19 | 17 | 14 | 14 | 18 |
| 7 | 13 | 13 | 17 | 14 | 13 | 13 | 16 |
| 6 | 11 | 11 | 15 | 12 | 11 | 11 | 14 |
| 5 | 10 | 10 | 14 | 11 | 10 | 10 | 12 |
| 4 | 8 | 9 | 12 | 9 | 8 | 8 | 10 |
| 3 | 7 | 7 | 10 | 7 | 7 | 7 | 8 |
| 2 | 5 | 5 | 6 | 5 | 5 | 5 | 5 |
| 1 | 3 | 3 | 4 | 3 | 3 | 3 | 3 |
| 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

STEP-II (69 ED.) CAT (70 ED.) CIBS (66 ED.) ITBS (71 ED.) MAT (70 ED.) SRA (71 ED.) SAT (64 ED.)
 LEVEL 4 LEVEL 3 LEVEL 2 LEVEL 10 ELEMENTARY BLUE INTERMEDIATE I
 FORM A FORM A FORM C FORM 5 FORM F FORM 4 FORM M
 PART 2 (COMPR.) COMPREHENSION COMPREHENSION READING (COMPR.) READING (COMPR.) PARAGRAPH MEANING



SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 1, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | TTBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|---------------|------------------------------------|---------------|-------------------------------------|---------------|--------------------------------------|------------------|---------------------------------------|-----------------|--|-------------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | PART 2 (COMPR.) | EQUIVALENT SCORE | PARAGRAPH MEANING |
| 48 | 42 | 45 | 67 | 45 | 67 | 45 | 45 | 30 | 30 | 58 | | |
| 47 | 42 | 45 | 66 | 45 | 66 | 45 | 45 | 30 | 30 | 57 | | |
| 46 | 41 | 44 | 64 | 44 | 64 | 44 | 45 | 29 | 29 | 57 | | |
| 45 | 40 | 43 | 63 | 43 | 63 | 44 | 44 | 29 | 29 | 56 | | |
| 44 | 39 | 43 | 62 | 43 | 62 | 44 | 44 | 28 | 28 | 55 | | |
| 43 | 39 | 42 | 60 | 42 | 60 | 43 | 43 | 28 | 28 | 53 | | |
| 42 | 38 | 41 | 59 | 41 | 59 | 43 | 43 | 27 | 27 | 52 | | |
| 41 | 37 | 41 | 57 | 41 | 57 | 42 | 42 | 26 | 26 | 51 | | |
| 40 | 36 | 40 | 56 | 40 | 56 | 42 | 42 | 26 | 26 | 49 | | |
| 39 | 35 | 40 | 55 | 40 | 55 | 41 | 41 | 25 | 25 | 48 | | |
| 38 | 34 | 39 | 54 | 39 | 54 | 41 | 41 | 24 | 24 | 47 | | |
| 37 | 33 | 38 | 52 | 38 | 52 | 41 | 41 | 24 | 24 | 46 | | |
| 36 | 33 | 37 | 51 | 37 | 51 | 40 | 40 | 23 | 23 | 45 | | |
| 35 | 32 | 37 | 50 | 37 | 50 | 39 | 39 | 22 | 22 | 44 | | |
| 34 | 31 | 36 | 49 | 36 | 49 | 39 | 39 | 22 | 22 | 43 | | |
| 33 | 30 | 35 | 47 | 35 | 47 | 38 | 38 | 21 | 21 | 41 | | |
| 32 | 30 | 35 | 46 | 35 | 46 | 38 | 38 | 20 | 20 | 40 | | |
| 31 | 28 | 34 | 44 | 34 | 44 | 37 | 37 | 19 | 19 | 39 | | |
| 30 | 28 | 33 | 43 | 33 | 43 | 36 | 36 | 19 | 19 | 38 | | |
| 29 | 27 | 32 | 42 | 32 | 42 | 36 | 36 | 18 | 18 | 37 | | |
| 28 | 26 | 32 | 41 | 32 | 41 | 35 | 35 | 17 | 17 | 36 | | |
| 27 | 26 | 31 | 39 | 31 | 39 | 34 | 34 | 17 | 17 | 35 | | |
| 26 | 25 | 30 | 38 | 30 | 38 | 33 | 33 | 16 | 16 | 34 | | |
| 25 | 24 | 29 | 36 | 29 | 36 | 32 | 32 | 15 | 15 | 33 | | |
| 24 | 24 | 28 | 35 | 28 | 35 | 31 | 31 | 15 | 15 | 32 | | |
| 23 | 23 | 27 | 33 | 27 | 33 | 30 | 30 | 14 | 14 | 30 | | |
| 22 | 22 | 26 | 32 | 26 | 32 | 29 | 29 | 13 | 13 | 29 | | |
| 21 | 21 | 24 | 30 | 24 | 30 | 28 | 28 | 13 | 13 | 28 | | |
| 20 | 20 | 23 | 28 | 23 | 28 | 26 | 26 | 12 | 12 | 26 | | |
| 19 | 20 | 21 | 26 | 21 | 26 | 25 | 25 | 11 | 11 | 25 | | |
| 18 | 18 | 20 | 24 | 20 | 24 | 23 | 23 | 11 | 11 | 23 | | |
| 17 | 17 | 18 | 23 | 18 | 23 | 22 | 22 | 10 | 10 | 22 | | |
| 16 | 16 | 17 | 21 | 17 | 21 | 20 | 20 | 10 | 10 | 20 | | |
| 15 | 15 | 16 | 20 | 16 | 20 | 18 | 18 | 9 | 9 | 19 | | |
| 14 | 14 | 15 | 19 | 15 | 19 | 17 | 17 | 8 | 8 | 18 | | |
| 13 | 13 | 13 | 17 | 13 | 17 | 15 | 15 | 7 | 7 | 16 | | |
| 12 | 12 | 12 | 16 | 12 | 16 | 14 | 14 | 7 | 7 | 15 | | |
| 11 | 11 | 11 | 15 | 11 | 15 | 12 | 12 | 6 | 6 | 14 | | |
| 10 | 10 | 10 | 14 | 10 | 14 | 11 | 11 | 5 | 5 | 13 | | |
| 9 | 9 | 9 | 13 | 9 | 13 | 10 | 10 | 5 | 5 | 11 | | |
| 8 | 8 | 8 | 12 | 8 | 12 | 9 | 9 | 4 | 4 | 10 | | |

TABLE 10. ANCHOR TEST EQUATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR PARAGRAPH MEANING

PROCEDURE 1, EQUIPERCENTILE METHOD

SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING
 CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION
 CTBS (68 ED.) LEVEL 2 FORM 0 COMPREHENSION
 ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION
 MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.)
 STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.)
 SRA (71 ED.) BLUE FORM E READING (COMPR.)

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 60 | 42 | 45 | 68 | 45 | 30 | 48 | |
| 59 | 42 | 45 | 68 | 45 | 30 | 48 | |
| 58 | 42 | 45 | 67 | 45 | 30 | 48 | |
| 57 | 41 | 44 | 65 | 45 | 30 | 47 | |
| 56 | 40 | 43 | 63 | 44 | 29 | 45 | |
| 55 | 39 | 43 | 62 | 44 | 28 | 44 | |
| 54 | 39 | 42 | 61 | 44 | 28 | 43 | |
| 53 | 38 | 42 | 60 | 43 | 27 | 43 | |
| 52 | 38 | 41 | 59 | 43 | 27 | 42 | |
| 51 | 37 | 41 | 58 | 43 | 27 | 41 | |
| 50 | 36 | 40 | 57 | 42 | 26 | 41 | |
| 49 | 35 | 40 | 56 | 42 | 25 | 40 | |
| 48 | 35 | 39 | 54 | 41 | 25 | 39 | |
| 47 | 34 | 39 | 53 | 41 | 24 | 38 | |
| 46 | 33 | 38 | 52 | 41 | 24 | 37 | |
| 45 | 33 | 38 | 51 | 40 | 23 | 36 | |
| 44 | 32 | 37 | 50 | 40 | 23 | 35 | |
| 43 | 31 | 36 | 49 | 39 | 22 | 34 | |
| 42 | 30 | 36 | 48 | 39 | 21 | 34 | |
| 41 | 30 | 35 | 47 | 38 | 20 | 33 | |
| 40 | 29 | 34 | 45 | 38 | 20 | 32 | |
| 39 | 28 | 34 | 44 | 37 | 19 | 31 | |
| 38 | 28 | 33 | 43 | 36 | 19 | 30 | |
| 37 | 27 | 32 | 42 | 36 | 18 | 29 | |
| 36 | 26 | 31 | 41 | 35 | 17 | 28 | |
| 35 | 25 | 31 | 39 | 34 | 17 | 27 | |
| 34 | 25 | 30 | 38 | 33 | 16 | 26 | |
| 33 | 24 | 29 | 36 | 32 | 15 | 25 | |
| 32 | 24 | 28 | 35 | 32 | 15 | 24 | |
| 31 | 23 | 27 | 34 | 31 | 14 | 24 | |
| 30 | 23 | 26 | 33 | 30 | 14 | 23 | |
| 29 | 22 | 26 | 32 | 29 | 13 | 22 | |
| 28 | 22 | 25 | 30 | 28 | 13 | 21 | |
| 27 | 21 | 24 | 29 | 27 | 12 | 21 | |
| 26 | 20 | 23 | 28 | 26 | 12 | 20 | |
| 25 | 20 | 22 | 27 | 25 | 11 | 19 | |
| 24 | 19 | 21 | 25 | 24 | 11 | 19 | |
| 23 | 18 | 20 | 24 | 23 | 11 | 18 | |
| 22 | 18 | 19 | 23 | 22 | 10 | 17 | |
| 21 | 17 | 18 | 22 | 21 | 10 | 17 | |
| 20 | 16 | 17 | 21 | 20 | 9 | 16 | |



TABLE 71. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 42 | 50 | 67 | 54 | 31 | 47 | 58 |
| 41 | 49 | 65 | 53 | 30 | 45 | 57 |
| 40 | 48 | 64 | 52 | 29 | 44 | 55 |
| 39 | 46 | 62 | 50 | 28 | 43 | 54 |
| 38 | 45 | 60 | 49 | 27 | 42 | 52 |
| 37 | 44 | 59 | 48 | 27 | 41 | 51 |
| 36 | 43 | 57 | 46 | 26 | 40 | 49 |
| 35 | 41 | 55 | 45 | 25 | 38 | 48 |
| 34 | 40 | 53 | 44 | 24 | 37 | 47 |
| 33 | 39 | 52 | 42 | 23 | 36 | 45 |
| 32 | 38 | 50 | 41 | 23 | 35 | 44 |
| 31 | 37 | 48 | 40 | 22 | 34 | 42 |
| 30 | 35 | 47 | 38 | 21 | 33 | 41 |
| 29 | 34 | 45 | 37 | 20 | 31 | 39 |
| 28 | 33 | 43 | 36 | 19 | 30 | 38 |
| 27 | 32 | 41 | 34 | 19 | 29 | 36 |
| 26 | 30 | 40 | 33 | 18 | 28 | 35 |
| 25 | 29 | 38 | 32 | 17 | 27 | 34 |
| 24 | 28 | 36 | 31 | 16 | 26 | 32 |
| 23 | 27 | 35 | 29 | 15 | 24 | 31 |
| 22 | 25 | 33 | 28 | 15 | 23 | 29 |
| 21 | 24 | 31 | 27 | 14 | 22 | 28 |
| 20 | 23 | 29 | 25 | 13 | 21 | 26 |
| 19 | 22 | 28 | 24 | 12 | 20 | 25 |
| 18 | 20 | 26 | 23 | 11 | 19 | 24 |
| 17 | 19 | 24 | 21 | 11 | 17 | 22 |
| 16 | 18 | 23 | 20 | 10 | 16 | 21 |
| 15 | 17 | 21 | 19 | 9 | 15 | 19 |
| 14 | 15 | 19 | 17 | 8 | 14 | 18 |
| 13 | 14 | 17 | 16 | 7 | 13 | 16 |
| 12 | 13 | 16 | 15 | 7 | 12 | 15 |
| 11 | 12 | 14 | 13 | 6 | 10 | 13 |
| 10 | 10 | 12 | 12 | 5 | 9 | 12 |
| 9 | 9 | 11 | 11 | 4 | 8 | 11 |
| 8 | 8 | 9 | 9 | 3 | 7 | 9 |
| 7 | 7 | 7 | 8 | 3 | 6 | 8 |
| 6 | 6 | 5 | 7 | 2 | 5 | 6 |
| 5 | 5 | 4 | 6 | 1 | 4 | 5 |
| 4 | 4 | 2 | 4 | 0 | 2 | 3 |
| 3 | 2 | 0 | 3 | - 1 | 1 | 2 |
| 2 | 1 | - 1 | 2 | - 1 | 0 | 0 |

TABLE 71. ANCHOR TEST ECJATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | - 1 | 0 | - 2 | - 1 | - 1 |
| 0 | - 2 | - 1 | - 3 | - 2 | - 2 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|-----------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 45 | 39 | 60 | 49 | 27 | 42 | 52 |
| 44 | 37 | 59 | 48 | 27 | 41 | 51 |
| 43 | 36 | 57 | 47 | 26 | 40 | 50 |
| 42 | 36 | 56 | 46 | 25 | 39 | 49 |
| 41 | 35 | 55 | 45 | 25 | 38 | 48 |
| 40 | 34 | 53 | 43 | 24 | 37 | 46 |
| 39 | 33 | 52 | 42 | 23 | 36 | 45 |
| 38 | 32 | 50 | 41 | 23 | 35 | 44 |
| 37 | 31 | 49 | 40 | 22 | 34 | 43 |
| 36 | 31 | 48 | 39 | 22 | 33 | 42 |
| 35 | 30 | 46 | 38 | 21 | 32 | 41 |
| 34 | 29 | 45 | 37 | 20 | 31 | 39 |
| 33 | 28 | 44 | 36 | 20 | 31 | 38 |
| 32 | 27 | 42 | 35 | 19 | 30 | 37 |
| 31 | 27 | 41 | 34 | 18 | 29 | 36 |
| 30 | 26 | 39 | 33 | 18 | 28 | 35 |
| 29 | 25 | 38 | 32 | 17 | 27 | 34 |
| 28 | 24 | 37 | 31 | 16 | 26 | 32 |
| 27 | 23 | 35 | 30 | 16 | 25 | 31 |
| 26 | 23 | 34 | 29 | 15 | 24 | 30 |
| 25 | 22 | 32 | 28 | 14 | 23 | 29 |
| 24 | 21 | 31 | 26 | 14 | 22 | 28 |
| 23 | 20 | 30 | 25 | 13 | 21 | 27 |
| 22 | 19 | 28 | 24 | 13 | 20 | 25 |
| 21 | 19 | 27 | 23 | 12 | 19 | 24 |
| 20 | 18 | 26 | 22 | 11 | 18 | 23 |
| 19 | 17 | 24 | 21 | 11 | 17 | 22 |
| 18 | 16 | 23 | 20 | 10 | 16 | 21 |
| 17 | 15 | 21 | 19 | 9 | 16 | 20 |
| 16 | 15 | 20 | 18 | 9 | 15 | 18 |
| 15 | 14 | 19 | 17 | 8 | 14 | 17 |
| 14 | 13 | 17 | 16 | 7 | 13 | 16 |
| 13 | 12 | 16 | 15 | 7 | 12 | 15 |
| 12 | 11 | 14 | 14 | 6 | 11 | 14 |
| 11 | 11 | 13 | 13 | 5 | 10 | 13 |
| 10 | 10 | 12 | 12 | 5 | 9 | 11 |
| 9 | 9 | 10 | 11 | 4 | 8 | 10 |
| 8 | 8 | 9 | 10 | 3 | 7 | 9 |
| 7 | 7 | 8 | 8 | 3 | 6 | 8 |
| 6 | 6 | 6 | 7 | 2 | 5 | 7 |
| 5 | 6 | 5 | 6 | 2 | 4 | 6 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2. LINEAR METHOD

| CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|---|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 5 | 3 | 5 | 1 | 3 | 5 |
| 3 | 4 | 2 | 4 | 0 | 2 | 3 |
| 2 | 3 | 1 | 3 | 0 | 1 | 2 |
| 1 | 2 | - 1 | 2 | - 1 | 0 | 1 |
| 0 | 2 | - 2 | 1 | - 2 | 0 | 0 |

TABLE 73. ANCHOR TEST EQUIVATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CTBS (68 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|-----------------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | LEVEL 4 FORM A | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | INTERMEDIATE I FORM M |
| 68 | 43 | 51 | 55 | 31 | 31 | 47 | 59 | | | | | |
| 67 | 42 | 50 | 54 | 31 | 31 | 46 | 58 | | | | | |
| 66 | 41 | 49 | 53 | 30 | 30 | 46 | 57 | | | | | |
| 65 | 41 | 49 | 52 | 30 | 30 | 45 | 56 | | | | | |
| 64 | 40 | 48 | 52 | 29 | 29 | 44 | 55 | | | | | |
| 63 | 40 | 47 | 51 | 29 | 29 | 44 | 55 | | | | | |
| 62 | 39 | 46 | 50 | 28 | 28 | 43 | 54 | | | | | |
| 61 | 38 | 46 | 49 | 28 | 28 | 42 | 53 | | | | | |
| 60 | 38 | 45 | 49 | 27 | 27 | 42 | 52 | | | | | |
| 59 | 37 | 44 | 48 | 27 | 27 | 41 | 51 | | | | | |
| 58 | 37 | 44 | 47 | 26 | 26 | 40 | 50 | | | | | |
| 57 | 36 | 43 | 46 | 26 | 26 | 40 | 50 | | | | | |
| 56 | 36 | 42 | 46 | 25 | 25 | 39 | 49 | | | | | |
| 55 | 35 | 41 | 45 | 25 | 25 | 38 | 48 | | | | | |
| 54 | 34 | 41 | 44 | 25 | 25 | 38 | 47 | | | | | |
| 53 | 34 | 40 | 43 | 24 | 24 | 37 | 46 | | | | | |
| 52 | 33 | 39 | 43 | 24 | 24 | 36 | 45 | | | | | |
| 51 | 33 | 38 | 42 | 23 | 23 | 36 | 45 | | | | | |
| 50 | 32 | 38 | 41 | 23 | 23 | 35 | 44 | | | | | |
| 49 | 31 | 37 | 40 | 22 | 22 | 34 | 43 | | | | | |
| 48 | 31 | 36 | 39 | 22 | 22 | 34 | 42 | | | | | |
| 47 | 30 | 36 | 39 | 21 | 21 | 33 | 41 | | | | | |
| 46 | 30 | 35 | 38 | 21 | 21 | 32 | 40 | | | | | |
| 45 | 29 | 34 | 37 | 20 | 20 | 32 | 39 | | | | | |
| 44 | 29 | 33 | 36 | 20 | 20 | 31 | 39 | | | | | |
| 43 | 28 | 33 | 36 | 19 | 19 | 30 | 38 | | | | | |
| 42 | 27 | 32 | 35 | 19 | 19 | 30 | 37 | | | | | |
| 41 | 27 | 31 | 34 | 18 | 18 | 29 | 36 | | | | | |
| 40 | 26 | 31 | 33 | 18 | 18 | 28 | 35 | | | | | |
| 39 | 26 | 30 | 33 | 18 | 18 | 27 | 34 | | | | | |
| 38 | 25 | 29 | 32 | 17 | 17 | 27 | 34 | | | | | |
| 37 | 24 | 28 | 31 | 17 | 17 | 26 | 33 | | | | | |
| 36 | 24 | 28 | 30 | 16 | 16 | 25 | 32 | | | | | |
| 35 | 23 | 27 | 30 | 16 | 16 | 25 | 31 | | | | | |
| 34 | 23 | 26 | 29 | 15 | 15 | 24 | 30 | | | | | |
| 33 | 22 | 25 | 28 | 15 | 15 | 23 | 29 | | | | | |
| 32 | 22 | 25 | 27 | 14 | 14 | 23 | 29 | | | | | |
| 31 | 21 | 24 | 26 | 14 | 14 | 22 | 28 | | | | | |
| 30 | 20 | 23 | 26 | 13 | 13 | 21 | 27 | | | | | |
| 29 | 20 | 23 | 25 | 13 | 13 | 21 | 26 | | | | | |
| 28 | 19 | 22 | 24 | 12 | 12 | 20 | 25 | | | | | |



IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, LINEAR METHOD

ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) READING (COMPR.) SRA (71 ED.) BLUE FORM E SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 27 | 19 | 21 | 23 | 12 | 19 | 24 | | |
| 26 | 18 | 20 | 23 | 11 | 19 | 24 | | |
| 25 | 17 | 20 | 22 | 11 | 18 | 23 | | |
| 24 | 17 | 19 | 21 | 11 | 17 | 22 | | |
| 23 | 16 | 18 | 20 | 10 | 17 | 21 | | |
| 22 | 16 | 18 | 20 | 10 | 16 | 20 | | |
| 21 | 15 | 17 | 19 | 9 | 15 | 19 | | |
| 20 | 15 | 16 | 18 | 9 | 15 | 18 | | |
| 19 | 14 | 15 | 17 | 8 | 14 | 18 | | |
| 18 | 13 | 15 | 17 | 8 | 13 | 17 | | |
| 17 | 14 | 14 | 16 | 7 | 13 | 16 | | |
| 16 | 12 | 13 | 15 | 7 | 12 | 15 | | |
| 15 | 12 | 12 | 14 | 6 | 11 | 14 | | |
| 14 | 11 | 12 | 13 | 6 | 11 | 13 | | |
| 13 | 10 | 11 | 13 | 5 | 10 | 13 | | |
| 12 | 10 | 10 | 12 | 5 | 9 | 12 | | |
| 11 | 9 | 10 | 11 | 4 | 8 | 11 | | |
| 10 | 9 | 9 | 10 | 4 | 8 | 10 | | |
| 9 | 8 | 8 | 9 | 4 | 7 | 9 | | |
| 8 | 8 | 7 | 8 | 3 | 6 | 8 | | |
| 7 | 7 | 7 | 8 | 3 | 6 | 8 | | |
| 6 | 6 | 6 | 7 | 2 | 5 | 7 | | |
| 5 | 5 | 5 | 6 | 2 | 4 | 6 | | |
| 4 | 5 | 5 | 6 | 1 | 4 | 5 | | |
| 3 | 5 | 4 | 5 | 1 | 3 | 4 | | |
| 2 | 4 | 3 | 4 | 0 | 2 | 3 | | |
| 1 | 3 | 2 | 3 | 0 | 2 | 3 | | |
| 0 | 3 | 2 | 3 | - | 1 | 2 | | |



METROPOLITAN ACHIEVEMENT (MAI) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 2. LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CTBS (68 ED.) | | ITBS (71 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|--------|--------------|--------|--------------|-----------------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | LEVEL 4 | FORM A | LEVEL 4 | FORM A | BLUE FORM M | INTERMEDIATE I FORM M |
| 45 | 35 | 42 | 55 | 25 | 39 | 48 | | | | | | |
| 44 | 34 | 41 | 54 | 24 | 38 | 47 | | | | | | |
| 43 | 34 | 40 | 53 | 24 | 37 | 46 | | | | | | |
| 42 | 32 | 39 | 51 | 23 | 36 | 45 | | | | | | |
| 41 | 32 | 38 | 50 | 23 | 35 | 44 | | | | | | |
| 40 | 31 | 37 | 49 | 22 | 34 | 43 | | | | | | |
| 39 | 31 | 36 | 47 | 21 | 33 | 42 | | | | | | |
| 38 | 30 | 35 | 46 | 21 | 32 | 40 | | | | | | |
| 37 | 29 | 34 | 45 | 20 | 31 | 39 | | | | | | |
| 36 | 28 | 33 | 44 | 20 | 31 | 38 | | | | | | |
| 35 | 28 | 32 | 42 | 19 | 30 | 37 | | | | | | |
| 34 | 27 | 31 | 41 | 18 | 29 | 36 | | | | | | |
| 33 | 26 | 30 | 40 | 18 | 28 | 35 | | | | | | |
| 32 | 25 | 29 | 38 | 17 | 27 | 34 | | | | | | |
| 31 | 24 | 28 | 37 | 17 | 26 | 33 | | | | | | |
| 30 | 24 | 27 | 36 | 16 | 25 | 32 | | | | | | |
| 29 | 23 | 26 | 34 | 15 | 24 | 31 | | | | | | |
| 28 | 22 | 25 | 33 | 15 | 23 | 29 | | | | | | |
| 27 | 21 | 24 | 32 | 14 | 22 | 28 | | | | | | |
| 26 | 21 | 24 | 31 | 14 | 22 | 27 | | | | | | |
| 25 | 20 | 23 | 29 | 13 | 21 | 26 | | | | | | |
| 24 | 19 | 22 | 28 | 12 | 20 | 25 | | | | | | |
| 23 | 18 | 21 | 27 | 12 | 19 | 24 | | | | | | |
| 22 | 18 | 20 | 25 | 11 | 18 | 23 | | | | | | |
| 21 | 17 | 19 | 24 | 10 | 17 | 22 | | | | | | |
| 20 | 16 | 18 | 23 | 10 | 16 | 21 | | | | | | |
| 19 | 15 | 17 | 21 | 9 | 15 | 20 | | | | | | |
| 18 | 15 | 16 | 20 | 9 | 15 | 18 | | | | | | |
| 17 | 14 | 15 | 19 | 8 | 14 | 17 | | | | | | |
| 16 | 13 | 14 | 17 | 7 | 13 | 16 | | | | | | |
| 15 | 12 | 13 | 16 | 7 | 12 | 15 | | | | | | |
| 14 | 12 | 12 | 15 | 6 | 11 | 14 | | | | | | |
| 13 | 11 | 11 | 14 | 6 | 10 | 13 | | | | | | |
| 12 | 10 | 10 | 12 | 5 | 9 | 12 | | | | | | |
| 11 | 9 | 9 | 11 | 4 | 8 | 11 | | | | | | |
| 10 | 8 | 9 | 10 | 4 | 7 | 10 | | | | | | |
| 9 | 8 | 8 | 8 | 3 | 7 | 9 | | | | | | |
| 8 | 7 | 7 | 7 | 3 | 6 | 8 | | | | | | |
| 7 | 6 | 6 | 6 | 2 | 5 | 6 | | | | | | |
| 6 | 5 | 5 | 4 | 1 | 4 | 5 | | | | | | |
| 5 | 5 | 4 | 3 | 1 | 3 | 4 | | | | | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 2, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM Q | ITBS (71 ED.) LEVEL 10 FORM 5 | STEP 1 (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|--|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------|--|
| | COMPREHENSION | COMPREHENSION | COMPREHENSION | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |

| | | | | | | |
|---|-----|-----|-----|-----|-----|--|
| 4 | 3 | 2 | 0 | 2 | 3 | |
| 3 | 2 | 0 | 0 | 1 | 2 | |
| 2 | 1 | - 1 | - 1 | 0 | 1 | |
| 1 | 0 | - 2 | - 2 | 0 | 0 | |
| 0 | - 1 | - 3 | - 2 | - 1 | - 1 | |

ANCHOR TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART 2 (COMPREHENSION)

PROCEDURE 2, LINEAR METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITPS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 30 | 41 | 49 | 66 | 53 | 46 | 57 |
| 29 | 40 | 48 | 64 | 52 | 44 | 55 |
| 28 | 39 | 46 | 62 | 50 | 43 | 53 |
| 27 | 38 | 45 | 60 | 48 | 41 | 52 |
| 26 | 36 | 43 | 57 | 47 | 40 | 50 |
| 25 | 35 | 41 | 55 | 45 | 38 | 48 |
| 24 | 34 | 40 | 53 | 43 | 37 | 46 |
| 23 | 33 | 38 | 51 | 42 | 36 | 44 |
| 22 | 31 | 37 | 49 | 40 | 34 | 43 |
| 21 | 30 | 35 | 47 | 38 | 33 | 41 |
| 20 | 29 | 34 | 44 | 37 | 31 | 39 |
| 19 | 28 | 32 | 42 | 35 | 30 | 37 |
| 18 | 26 | 31 | 40 | 33 | 28 | 35 |
| 17 | 25 | 29 | 38 | 32 | 27 | 34 |
| 16 | 24 | 28 | 36 | 30 | 25 | 32 |
| 15 | 23 | 26 | 34 | 29 | 24 | 30 |
| 14 | 21 | 24 | 32 | 27 | 22 | 28 |
| 13 | 20 | 23 | 29 | 25 | 21 | 26 |
| 12 | 19 | 21 | 27 | 24 | 20 | 25 |
| 11 | 18 | 20 | 25 | 22 | 18 | 23 |
| 10 | 16 | 18 | 23 | 20 | 17 | 21 |
| 9 | 15 | 17 | 21 | 19 | 15 | 19 |
| 8 | 14 | 15 | 19 | 17 | 14 | 17 |
| 7 | 13 | 14 | 17 | 15 | 12 | 16 |
| 6 | 11 | 12 | 14 | 14 | 11 | 14 |
| 5 | 10 | 10 | 12 | 12 | 9 | 12 |
| 4 | 9 | 9 | 10 | 10 | 8 | 10 |
| 3 | 8 | 7 | 8 | 9 | 6 | 8 |
| 2 | 6 | 6 | 6 | 7 | 5 | 7 |
| 1 | 5 | 4 | 4 | 6 | 4 | 5 |
| 0 | 4 | 3 | 2 | 4 | 2 | 3 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, LINEAR METHOD

| SRA (71 ED.) ALUE FORM E | CAT (70 ED.) LEVEL 3 FORM A | CTRS (68 ED.) LEVEL 2 FORM C | TTBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SAT (64 ED.) INTERMEDIATE I FORM M | READING (COMPR.) | | COMPREHENSION | |
|--------------------------------|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--|------------------|---------------|------------------|---------------|
| | | | | | | | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION |
| 48 | 43 | 52 | 69 | 56 | 32 | 60 | | | | |
| 47 | 42 | 51 | 68 | 55 | 31 | 59 | | | | |
| 46 | 42 | 50 | 66 | 54 | 30 | 57 | | | | |
| 45 | 41 | 49 | 65 | 52 | 30 | 56 | | | | |
| 44 | 40 | 47 | 63 | 51 | 29 | 55 | | | | |
| 43 | 39 | 46 | 62 | 50 | 28 | 54 | | | | |
| 42 | 38 | 45 | 61 | 49 | 28 | 53 | | | | |
| 41 | 37 | 44 | 59 | 48 | 27 | 51 | | | | |
| 40 | 36 | 43 | 58 | 47 | 26 | 50 | | | | |
| 39 | 36 | 42 | 56 | 46 | 25 | 49 | | | | |
| 38 | 35 | 41 | 55 | 45 | 25 | 48 | | | | |
| 37 | 34 | 40 | 53 | 43 | 24 | 46 | | | | |
| 36 | 33 | 39 | 52 | 42 | 23 | 45 | | | | |
| 35 | 32 | 38 | 50 | 41 | 23 | 44 | | | | |
| 34 | 31 | 37 | 49 | 40 | 22 | 43 | | | | |
| 33 | 30 | 36 | 47 | 39 | 21 | 41 | | | | |
| 32 | 30 | 35 | 46 | 38 | 21 | 40 | | | | |
| 31 | 29 | 34 | 44 | 37 | 20 | 3 | | | | |
| 30 | 28 | 33 | 43 | 35 | 19 | 38 | | | | |
| 29 | 27 | 31 | 41 | 34 | 19 | 36 | | | | |
| 28 | 26 | 30 | 40 | 33 | 18 | 35 | | | | |
| 27 | 25 | 29 | 38 | 32 | 17 | 34 | | | | |
| 26 | 24 | 28 | 37 | 31 | 17 | 33 | | | | |
| 25 | 24 | 27 | 35 | 30 | 16 | 31 | | | | |
| 24 | 23 | 26 | 34 | 29 | 15 | 30 | | | | |
| 23 | 22 | 25 | 33 | 28 | 14 | 29 | | | | |
| 22 | 21 | 24 | 31 | 26 | 14 | 28 | | | | |
| 21 | 20 | 23 | 30 | 25 | 13 | 26 | | | | |
| 20 | 19 | 22 | 28 | 24 | 12 | 25 | | | | |
| 19 | 18 | 21 | 27 | 23 | 12 | 24 | | | | |
| 18 | 18 | 20 | 25 | 22 | 11 | 23 | | | | |
| 17 | 17 | 19 | 24 | 21 | 10 | 22 | | | | |
| 16 | 16 | 18 | 22 | 20 | 10 | 20 | | | | |
| 15 | 15 | 17 | 21 | 19 | 9 | 19 | | | | |
| 14 | 14 | 16 | 19 | 17 | 8 | 18 | | | | |
| 13 | 13 | 14 | 18 | 16 | 8 | 17 | | | | |
| 12 | 12 | 13 | 16 | 15 | 7 | 15 | | | | |
| 11 | 11 | 12 | 15 | 14 | 6 | 14 | | | | |
| 10 | 10 | 11 | 13 | 13 | 6 | 13 | | | | |
| 9 | 10 | 10 | 12 | 12 | 5 | 12 | | | | |
| 8 | 9 | 9 | 10 | 11 | 4 | 10 | | | | |

TABLE 76. ANCHOR TEST: EQUIJATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, LINEAR METHOD

| RAW SCORE | SRA (71 ED.) PLUE FORM E | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM 0 | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SAT (64 ED.) INTERMEDIATE I FORM M |
|-----------|--------------------------------|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--|
| | READING (COMPR.) | COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | PARAGRAPH MEANING |
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 7 | 9 | 8 | 9 | 10 | 3 | | 9 |
| 6 | 7 | 7 | 7 | 8 | 3 | | 8 |
| 5 | 6 | 6 | 6 | 7 | 2 | | 7 |
| 4 | 5 | 5 | 5 | 6 | 1 | | 5 |
| 3 | 4 | 4 | 4 | 5 | 1 | | 4 |
| 2 | 3 | 3 | 3 | 4 | 0 | | 3 |
| 1 | 2 | 2 | 2 | 3 | - 1 | | 2 |
| 0 | 1 | 1 | - 1 | 2 | - 1 | | 0 |



TABLE 17. ANCHOR TEST ECJATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR PARAGRAPH MEANING

PROCEDURE 2, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|---|-----------------------------------|---------------|------------------------------------|---------------|-------------------------------------|---------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) |
| 60 | 43 | 52 | 70 | 56 | 32 | 48 | 41 | | | | | |
| 59 | 62 | 51 | 68 | 55 | 31 | 47 | 40 | | | | | |
| 58 | 50 | 50 | 67 | 54 | 31 | 47 | 39 | | | | | |
| 57 | 41 | 49 | 66 | 53 | 30 | 46 | 38 | | | | | |
| 56 | 42 | 48 | 65 | 52 | 29 | 45 | 37 | | | | | |
| 55 | 43 | 48 | 64 | 51 | 29 | 44 | 36 | | | | | |
| 54 | 47 | 47 | 62 | 50 | 28 | 43 | 35 | | | | | |
| 53 | 46 | 46 | 61 | 50 | 28 | 42 | 34 | | | | | |
| 52 | 45 | 45 | 60 | 49 | 27 | 42 | 33 | | | | | |
| 51 | 44 | 44 | 59 | 48 | 27 | 41 | 32 | | | | | |
| 50 | 43 | 43 | 58 | 47 | 26 | 40 | 31 | | | | | |
| 49 | 42 | 42 | 56 | 46 | 26 | 39 | 30 | | | | | |
| 48 | 41 | 41 | 55 | 45 | 25 | 38 | 29 | | | | | |
| 47 | 41 | 41 | 54 | 44 | 25 | 38 | 28 | | | | | |
| 46 | 40 | 40 | 53 | 43 | 24 | 37 | 27 | | | | | |
| 45 | 39 | 39 | 52 | 42 | 23 | 36 | 26 | | | | | |
| 44 | 38 | 38 | 50 | 41 | 23 | 35 | 25 | | | | | |
| 43 | 37 | 37 | 49 | 40 | 22 | 34 | 24 | | | | | |
| 42 | 36 | 36 | 48 | 40 | 22 | 34 | 23 | | | | | |
| 41 | 35 | 35 | 47 | 39 | 21 | 33 | 22 | | | | | |
| 40 | 35 | 35 | 46 | 38 | 21 | 32 | 21 | | | | | |
| 39 | 34 | 34 | 45 | 37 | 20 | 31 | 20 | | | | | |
| 38 | 33 | 33 | 43 | 36 | 20 | 30 | 19 | | | | | |
| 37 | 32 | 32 | 42 | 35 | 19 | 30 | 18 | | | | | |
| 36 | 31 | 31 | 41 | 34 | 18 | 29 | 17 | | | | | |
| 35 | 30 | 30 | 40 | 33 | 18 | 28 | 16 | | | | | |
| 34 | 29 | 29 | 39 | 32 | 17 | 27 | 15 | | | | | |
| 33 | 29 | 29 | 37 | 31 | 17 | 26 | 14 | | | | | |
| 32 | 28 | 28 | 36 | 30 | 16 | 26 | 13 | | | | | |
| 31 | 27 | 27 | 35 | 29 | 16 | 25 | 12 | | | | | |
| 30 | 26 | 26 | 34 | 29 | 15 | 24 | 11 | | | | | |
| 29 | 25 | 25 | 33 | 28 | 15 | 24 | 10 | | | | | |
| 28 | 24 | 24 | 31 | 27 | 14 | 23 | 9 | | | | | |
| 27 | 23 | 23 | 30 | 26 | 13 | 23 | 8 | | | | | |
| 26 | 23 | 23 | 29 | 25 | 13 | 22 | 7 | | | | | |
| 25 | 22 | 22 | 28 | 24 | 12 | 21 | 6 | | | | | |
| 24 | 21 | 21 | 27 | 23 | 12 | 21 | 5 | | | | | |
| 23 | 20 | 20 | 25 | 22 | 11 | 20 | 4 | | | | | |
| 22 | 19 | 19 | 24 | 21 | 11 | 19 | 3 | | | | | |
| 21 | 18 | 18 | 23 | 20 | 10 | 18 | 2 | | | | | |
| 20 | 17 | 17 | 22 | 19 | 10 | 17 | 1 | | | | | |
| 19 | 16 | 16 | 21 | 18 | 9 | 16 | 0 | | | | | |
| 18 | 16 | 16 | 20 | 17 | 9 | 16 | 0 | | | | | |
| 17 | 15 | 15 | 19 | 16 | 8 | 15 | 0 | | | | | |
| 16 | 14 | 14 | 18 | 15 | 8 | 14 | 0 | | | | | |
| 15 | 13 | 13 | 17 | 14 | 7 | 13 | 0 | | | | | |
| 14 | 12 | 12 | 16 | 13 | 7 | 12 | 0 | | | | | |
| 13 | 11 | 11 | 15 | 12 | 6 | 11 | 0 | | | | | |
| 12 | 10 | 10 | 14 | 11 | 6 | 10 | 0 | | | | | |
| 11 | 9 | 9 | 13 | 10 | 5 | 9 | 0 | | | | | |
| 10 | 8 | 8 | 12 | 9 | 5 | 8 | 0 | | | | | |
| 9 | 7 | 7 | 11 | 8 | 4 | 7 | 0 | | | | | |
| 8 | 6 | 6 | 10 | 7 | 4 | 6 | 0 | | | | | |
| 7 | 5 | 5 | 9 | 6 | 3 | 5 | 0 | | | | | |
| 6 | 4 | 4 | 8 | 5 | 3 | 4 | 0 | | | | | |
| 5 | 3 | 3 | 7 | 4 | 2 | 3 | 0 | | | | | |
| 4 | 2 | 2 | 6 | 3 | 2 | 2 | 0 | | | | | |
| 3 | 1 | 1 | 5 | 2 | 1 | 1 | 0 | | | | | |
| 2 | 1 | 1 | 4 | 1 | 1 | 1 | 0 | | | | | |
| 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | | | | | |

TABLE 77. ANCHOR TEST EQJAYING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR PARAGRAPH MEANING

PROCEDURE 2, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FCPY W PARAGRAPH MEANING | CAT (70 ED.) LEVEL 3 FCRM A | | CTBS (68 ED.) LEVEL 2 FCRM C | | ITRS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|---|-----------------------------------|---------------|------------------------------------|---------------|-------------------------------------|---------------|--------------------------------------|------------------|---------------------------------------|-----------------|--------------------------------|------------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | PART 2 (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) |
| 19 | 15 | 17 | 19 | 21 | 19 | 19 | 19 | 9 | 15 | 9 | 15 | |
| 18 | 14 | 16 | 18 | 20 | 18 | 18 | 18 | 8 | 14 | 8 | 14 | |
| 17 | 14 | 15 | 17 | 18 | 17 | 17 | 17 | 8 | 13 | 8 | 13 | |
| 16 | 13 | 14 | 14 | 17 | 16 | 16 | 16 | 7 | 13 | 7 | 13 | |
| 15 | 12 | 13 | 13 | 16 | 15 | 15 | 15 | 7 | 12 | 7 | 12 | |
| 14 | 11 | 12 | 12 | 15 | 14 | 14 | 14 | 6 | 11 | 6 | 11 | |
| 13 | 11 | 11 | 11 | 14 | 13 | 13 | 13 | 6 | 10 | 6 | 10 | |
| 12 | 10 | 11 | 11 | 12 | 12 | 12 | 12 | 5 | 9 | 5 | 9 | |
| 11 | 9 | 10 | 10 | 11 | 11 | 11 | 11 | 5 | 9 | 5 | 9 | |
| 10 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 4 | 8 | 4 | 8 | |
| 9 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 3 | 7 | 3 | 7 | |
| 8 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 3 | 6 | 3 | 6 | |
| 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 2 | 5 | 2 | 5 | |
| 6 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | 2 | 5 | |
| 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 1 | 4 | 1 | 4 | |
| 4 | 5 | 4 | 4 | 3 | 3 | 3 | 3 | 1 | 3 | 1 | 3 | |
| 3 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 0 | 2 | 0 | 2 | |
| 2 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | |
| 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 0 | 2 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |

TABLE 75. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTRS (69 ED.) LEVEL 2 FORM C COMPREHENSION | ITPS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|---|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 42 | 65 | 45 | 30 | 48 | 59 | |
| 41 | 43 | 45 | 29 | 46 | 57 | |
| 40 | 61 | 44 | 29 | 45 | 55 | |
| 39 | 50 | 44 | 28 | 44 | 54 | |
| 38 | 59 | 43 | 27 | 43 | 53 | |
| 37 | 58 | 43 | 27 | 42 | 51 | |
| 36 | 57 | 42 | 26 | 41 | 50 | |
| 35 | 55 | 42 | 26 | 40 | 49 | |
| 34 | 54 | 41 | 25 | 39 | 47 | |
| 33 | 52 | 41 | 24 | 37 | 46 | |
| 32 | 51 | 40 | 23 | 36 | 44 | |
| 31 | 49 | 39 | 22 | 35 | 43 | |
| 30 | 48 | 38 | 21 | 34 | 41 | |
| 29 | 46 | 38 | 20 | 32 | 40 | |
| 28 | 44 | 37 | 20 | 31 | 38 | |
| 27 | 43 | 36 | 19 | 29 | 37 | |
| 26 | 41 | 35 | 18 | 28 | 35 | |
| 25 | 39 | 34 | 17 | 26 | 34 | |
| 24 | 37 | 32 | 16 | 25 | 32 | |
| 23 | 35 | 31 | 15 | 23 | 30 | |
| 22 | 32 | 29 | 14 | 22 | 29 | |
| 21 | 30 | 28 | 13 | 21 | 27 | |
| 20 | 28 | 26 | 12 | 20 | 26 | |
| 19 | 26 | 24 | 12 | 19 | 24 | |
| 18 | 24 | 23 | 11 | 18 | 23 | |
| 17 | 22 | 21 | 10 | 17 | 21 | |
| 16 | 21 | 20 | 10 | 16 | 20 | |
| 15 | 20 | 18 | 9 | 15 | 19 | |
| 14 | 19 | 17 | 9 | 14 | 18 | |
| 13 | 18 | 15 | 8 | 13 | 16 | |
| 12 | 16 | 14 | 7 | 12 | 15 | |
| 11 | 15 | 13 | 6 | 11 | 14 | |
| 10 | 14 | 11 | 6 | 10 | 13 | |
| 9 | 13 | 10 | 5 | 9 | 11 | |
| 8 | 12 | 9 | 4 | 9 | 10 | |
| 7 | 11 | 8 | 4 | 7 | 9 | |
| 6 | 9 | 7 | 3 | 6 | 7 | |
| 5 | 8 | 6 | 3 | 5 | 6 | |
| 4 | 6 | 4 | 2 | 4 | 5 | |
| 3 | 5 | 3 | 1 | 3 | 3 | |
| 2 | 3 | 2 | 1 | 2 | 2 | |

TABLE 78. ANCHOR TEST EQJATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | 1785 (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | 2 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE 1 FORM M PARAGRAPH MEANING |
|---|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 45 | 42 | 65 | 45 | 30 | 48 | 59 |
| 44 | 41 | 63 | 45 | 29 | 46 | 57 |
| 43 | 40 | 61 | 44 | 29 | 45 | 55 |
| 42 | 39 | 59 | 43 | 28 | 43 | 53 |
| 41 | 37 | 58 | 43 | 27 | 42 | 52 |
| 40 | 35 | 56 | 42 | 26 | 41 | 49 |
| 39 | 34 | 54 | 41 | 25 | 39 | 47 |
| 38 | 33 | 52 | 40 | 24 | 37 | 45 |
| 37 | 32 | 50 | 40 | 23 | 36 | 44 |
| 36 | 31 | 48 | 39 | 22 | 34 | 42 |
| 35 | 30 | 47 | 38 | 21 | 33 | 40 |
| 34 | 29 | 45 | 37 | 20 | 31 | 39 |
| 33 | 28 | 43 | 36 | 19 | 30 | 37 |
| 32 | 27 | 42 | 35 | 18 | 28 | 36 |
| 31 | 26 | 40 | 34 | 17 | 27 | 35 |
| 30 | 25 | 39 | 33 | 17 | 26 | 33 |
| 29 | 24 | 37 | 32 | 16 | 25 | 32 |
| 28 | 23 | 35 | 31 | 15 | 24 | 31 |
| 27 | 23 | 34 | 30 | 15 | 23 | 30 |
| 26 | 22 | 32 | 29 | 14 | 22 | 29 |
| 25 | 21 | 31 | 28 | 14 | 21 | 28 |
| 24 | 21 | 29 | 27 | 13 | 20 | 27 |
| 23 | 20 | 28 | 26 | 12 | 20 | 26 |
| 22 | 19 | 27 | 25 | 12 | 19 | 25 |
| 21 | 19 | 25 | 24 | 12 | 18 | 24 |
| 20 | 18 | 24 | 23 | 11 | 18 | 23 |
| 19 | 18 | 23 | 22 | 11 | 17 | 22 |
| 18 | 17 | 22 | 21 | 10 | 16 | 21 |
| 17 | 16 | 21 | 20 | 10 | 16 | 20 |
| 16 | 15 | 20 | 18 | 9 | 15 | 19 |
| 15 | 14 | 19 | 17 | 9 | 14 | 18 |
| 14 | 13 | 18 | 16 | 8 | 13 | 17 |
| 13 | 12 | 17 | 14 | 8 | 13 | 16 |
| 12 | 11 | 16 | 13 | 7 | 12 | 15 |
| 11 | 11 | 15 | 12 | 6 | 11 | 14 |
| 10 | 10 | 14 | 11 | 6 | 10 | 12 |
| 9 | 9 | 13 | 10 | 5 | 9 | 11 |
| 8 | 8 | 12 | 8 | 4 | 8 | 10 |
| 7 | 7 | 10 | 7 | 4 | 7 | 9 |
| 6 | 6 | 9 | 7 | 3 | 6 | 7 |
| 5 | 5 | 8 | 6 | 3 | 5 | 6 |

TABLE 79. ANCHOR TEST EQJATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, EQUIPERCENTILE METHOD

| CTBS (68 FD.) LEVEL 2 FORM C COMPREHENSION | CAT (7C ED.) LEVEL 3 FORM A COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|---|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 6 | 5 | 2 | 4 | 5 | 5 |
| 3 | 5 | 3 | 1 | 3 | 3 | 3 |
| 2 | 3 | 2 | 1 | 2 | 2 | 2 |
| 1 | 2 | 1 | 0 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

[Handwritten signature]

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|-------------------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 68 | 42 | 45 | 45 | 30 | 49 | 60 |
| 67 | 42 | 45 | 45 | 30 | 48 | 60 |
| 66 | 42 | 45 | 45 | 30 | 48 | 60 |
| 65 | 42 | 45 | 45 | 30 | 47 | 59 |
| 64 | 41 | 44 | 45 | 30 | 47 | 58 |
| 63 | 41 | 44 | 45 | 29 | 46 | 57 |
| 62 | 40 | 43 | 44 | 29 | 45 | 56 |
| 61 | 40 | 43 | 44 | 29 | 44 | 54 |
| 60 | 39 | 42 | 44 | 28 | 44 | 54 |
| 59 | 38 | 42 | 43 | 28 | 43 | 53 |
| 58 | 37 | 41 | 43 | 27 | 42 | 52 |
| 57 | 36 | 41 | 42 | 27 | 42 | 51 |
| 56 | 34 | 40 | 42 | 26 | 41 | 50 |
| 55 | 35 | 40 | 41 | 25 | 40 | 48 |
| 54 | 34 | 39 | 41 | 25 | 39 | 47 |
| 53 | 33 | 39 | 41 | 24 | 38 | 46 |
| 52 | 33 | 38 | 40 | 24 | 37 | 46 |
| 51 | 32 | 38 | 40 | 23 | 36 | 45 |
| 50 | 32 | 37 | 40 | 23 | 36 | 44 |
| 49 | 31 | 36 | 39 | 22 | 35 | 43 |
| 48 | 30 | 36 | 39 | 22 | 34 | 42 |
| 47 | 30 | 35 | 38 | 21 | 33 | 40 |
| 46 | 29 | 35 | 38 | 21 | 32 | 40 |
| 45 | 29 | 34 | 37 | 20 | 31 | 39 |
| 44 | 28 | 33 | 37 | 19 | 30 | 38 |
| 43 | 27 | 33 | 36 | 19 | 30 | 37 |
| 42 | 27 | 32 | 36 | 18 | 29 | 36 |
| 41 | 26 | 32 | 35 | 18 | 28 | 35 |
| 40 | 26 | 31 | 34 | 17 | 27 | 35 |
| 39 | 25 | 30 | 34 | 17 | 26 | 34 |
| 38 | 25 | 30 | 33 | 16 | 26 | 33 |
| 37 | 24 | 29 | 33 | 16 | 25 | 32 |
| 36 | 24 | 29 | 32 | 16 | 24 | 31 |
| 35 | 23 | 28 | 31 | 15 | 24 | 31 |
| 34 | 23 | 27 | 31 | 15 | 23 | 30 |
| 33 | 22 | 27 | 30 | 14 | 22 | 29 |
| 32 | 22 | 26 | 29 | 14 | 22 | 28 |
| 31 | 21 | 25 | 28 | 14 | 21 | 28 |
| 30 | 21 | 24 | 28 | 13 | 21 | 27 |
| 29 | 21 | 24 | 27 | 13 | 20 | 26 |
| 28 | 20 | 23 | 26 | 12 | 20 | 26 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM 0 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (CO-APR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|---|--|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 27 | 20 | 22 | 25 | 12 | 19 | 25 |
| 26 | 19 | 22 | 24 | 12 | 19 | 24 |
| 25 | 19 | 21 | 24 | 11 | 18 | 24 |
| 24 | 18 | 20 | 23 | 11 | 18 | 23 |
| 23 | 18 | 19 | 22 | 11 | 17 | 22 |
| 22 | 17 | 18 | 21 | 10 | 17 | 21 |
| 21 | 16 | 17 | 20 | 10 | 16 | 20 |
| 20 | 15 | 16 | 19 | 9 | 15 | 19 |
| 19 | 14 | 15 | 17 | 9 | 14 | 18 |
| 18 | 13 | 14 | 16 | 8 | 13 | 17 |
| 17 | 13 | 13 | 15 | 8 | 13 | 16 |
| 16 | 12 | 12 | 13 | 7 | 12 | 15 |
| 15 | 11 | 11 | 12 | 6 | 11 | 14 |
| 14 | 10 | 10 | 11 | 6 | 10 | 13 |
| 13 | 9 | 9 | 10 | 5 | 9 | 11 |
| 12 | 8 | 8 | 9 | 4 | 8 | 10 |
| 11 | 7 | 7 | 8 | 4 | 8 | 9 |
| 10 | 6 | 7 | 7 | 3 | 7 | 8 |
| 9 | 6 | 6 | 6 | 3 | 6 | 7 |
| 8 | 5 | 5 | 6 | 3 | 5 | 6 |
| 7 | 5 | 4 | 5 | 2 | 5 | 5 |
| 6 | 4 | 4 | 4 | 2 | 4 | 4 |
| 5 | 3 | 3 | 4 | 2 | 3 | 4 |
| 4 | 3 | 2 | 3 | 1 | 3 | 3 |
| 3 | 2 | 2 | 2 | 1 | 2 | 2 |
| 2 | 1 | 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) | | CTBS (68 ED.) | | ITBS (71 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION |
| 45 | 47 | 45 | 65 | 30 | 47 | 58 | | | | | | |
| 44 | 40 | 43 | 61 | 28 | 44 | 54 | | | | | | |
| 43 | 38 | 42 | 59 | 27 | 43 | 52 | | | | | | |
| 42 | 36 | 40 | 56 | 26 | 41 | 50 | | | | | | |
| 41 | 34 | 39 | 54 | 25 | 39 | 47 | | | | | | |
| 40 | 32 | 38 | 51 | 23 | 36 | 45 | | | | | | |
| 39 | 31 | 36 | 49 | 22 | 35 | 42 | | | | | | |
| 38 | 30 | 35 | 47 | 21 | 33 | 40 | | | | | | |
| 37 | 28 | 34 | 45 | 20 | 31 | 39 | | | | | | |
| 36 | 27 | 33 | 43 | 19 | 29 | 37 | | | | | | |
| 35 | 26 | 32 | 41 | 18 | 28 | 36 | | | | | | |
| 34 | 25 | 31 | 40 | 17 | 27 | 34 | | | | | | |
| 33 | 25 | 30 | 38 | 16 | 26 | 33 | | | | | | |
| 32 | 24 | 29 | 36 | 16 | 24 | 32 | | | | | | |
| 31 | 23 | 28 | 35 | 15 | 23 | 30 | | | | | | |
| 30 | 22 | 27 | 33 | 14 | 23 | 29 | | | | | | |
| 29 | 22 | 26 | 32 | 14 | 22 | 28 | | | | | | |
| 28 | 21 | 25 | 31 | 13 | 21 | 27 | | | | | | |
| 27 | 21 | 24 | 29 | 13 | 20 | 27 | | | | | | |
| 26 | 20 | 23 | 28 | 12 | 20 | 26 | | | | | | |
| 25 | 19 | 22 | 27 | 12 | 19 | 25 | | | | | | |
| 24 | 18 | 21 | 26 | 12 | 19 | 24 | | | | | | |
| 23 | 18 | 20 | 24 | 11 | 18 | 23 | | | | | | |
| 22 | 18 | 19 | 23 | 11 | 17 | 22 | | | | | | |
| 21 | 17 | 18 | 22 | 10 | 17 | 21 | | | | | | |
| 20 | 16 | 17 | 21 | 10 | 16 | 20 | | | | | | |
| 19 | 16 | 17 | 20 | 9 | 15 | 20 | | | | | | |
| 18 | 15 | 16 | 20 | 9 | 15 | 19 | | | | | | |
| 17 | 15 | 14 | 19 | 9 | 14 | 18 | | | | | | |
| 16 | 14 | 14 | 18 | 8 | 14 | 17 | | | | | | |
| 15 | 13 | 13 | 17 | 8 | 13 | 16 | | | | | | |
| 14 | 12 | 13 | 17 | 7 | 12 | 15 | | | | | | |
| 13 | 11 | 12 | 16 | 7 | 12 | 14 | | | | | | |
| 12 | 11 | 11 | 15 | 6 | 11 | 14 | | | | | | |
| 11 | 10 | 10 | 14 | 6 | 10 | 13 | | | | | | |
| 10 | 9 | 9 | 13 | 5 | 10 | 12 | | | | | | |
| 9 | 8 | 9 | 12 | 5 | 9 | 11 | | | | | | |
| 8 | 7 | 8 | 11 | 4 | 8 | 9 | | | | | | |
| 7 | 6 | 7 | 10 | 3 | 7 | 8 | | | | | | |
| 6 | 6 | 6 | 9 | 3 | 6 | 6 | | | | | | |
| 5 | 5 | 5 | 7 | 2 | 5 | 5 | | | | | | |

TABLE R1. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 2, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (69 ED.) LEVEL 2 FORM C COMPREHENSION | ITS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|--|--|---|---|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 4 | 4 | 6 | 2 | 4 | 4 |
| 3 | 3 | 3 | 4 | 1 | 3 | 3 |
| 2 | 2 | 2 | 3 | 1 | 2 | 2 |
| 1 | 1 | 1 | 2 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EDUCATIONAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART 2 (COMPREHENSION)

PROCEDURE 2, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A | CAT (70 ED.) LEVEL 3 FORM A | CTRS (68 ED.) LEVEL 2 FORM C | ITRS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M | EQUIVALENT SCORE | | EQUIVALENT SCORE | |
|---------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------|--|------------------|------------------|------------------|------------------|
| | | | | | | | COMPREHENSION | COMPREHENSION | READING (COMPR.) | READING (COMPR.) |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 30 | 42 | 45 | 65 | 45 | 49 | 59 | | | | |
| 29 | 41 | 44 | 62 | 44 | 46 | 56 | | | | |
| 28 | 39 | 42 | 60 | 44 | 44 | 54 | | | | |
| 27 | 37 | 41 | 58 | 43 | 42 | 52 | | | | |
| 26 | 36 | 40 | 56 | 42 | 41 | 50 | | | | |
| 25 | 34 | 39 | 54 | 41 | 39 | 48 | | | | |
| 24 | 33 | 38 | 52 | 40 | 37 | 46 | | | | |
| 23 | 32 | 37 | 50 | 40 | 35 | 44 | | | | |
| 22 | 31 | 36 | 49 | 39 | 34 | 42 | | | | |
| 21 | 30 | 35 | 47 | 38 | 33 | 40 | | | | |
| 20 | 29 | 34 | 45 | 37 | 31 | 39 | | | | |
| 19 | 28 | 33 | 43 | 36 | 30 | 37 | | | | |
| 18 | 26 | 32 | 42 | 35 | 28 | 36 | | | | |
| 17 | 25 | 31 | 40 | 34 | 27 | 34 | | | | |
| 16 | 24 | 29 | 37 | 33 | 25 | 32 | | | | |
| 15 | 23 | 28 | 35 | 31 | 23 | 31 | | | | |
| 14 | 22 | 26 | 32 | 29 | 22 | 29 | | | | |
| 13 | 21 | 24 | 30 | 27 | 20 | 27 | | | | |
| 12 | 20 | 22 | 27 | 25 | 19 | 25 | | | | |
| 11 | 18 | 20 | 24 | 23 | 18 | 23 | | | | |
| 10 | 17 | 18 | 22 | 20 | 16 | 21 | | | | |
| 9 | 15 | 16 | 20 | 18 | 15 | 19 | | | | |
| 8 | 13 | 14 | 18 | 16 | 13 | 17 | | | | |
| 7 | 12 | 12 | 16 | 14 | 12 | 15 | | | | |
| 6 | 10 | 11 | 15 | 12 | 11 | 13 | | | | |
| 5 | 9 | 9 | 13 | 10 | 9 | 12 | | | | |
| 4 | 8 | 8 | 11 | 8 | 8 | 10 | | | | |
| 3 | 6 | 6 | 9 | 7 | 6 | 7 | | | | |
| 2 | 4 | 4 | 6 | 5 | 4 | 5 | | | | |
| 1 | 2 | 2 | 4 | 3 | 2 | 3 | | | | |
| 0 | 0 | 0 | 1 | 1 | 0 | 1 | | | | |

0

TABLE 83. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|---------------|------------------------------------|---------------|-------------------------------------|---------------|--------------------------------------|------------------|---------------------------------------|-------------------|--|-------------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | PARAGRAPH MEANING | EQUIVALENT SCORE | PARAGRAPH MEANING |
| 48 | 42 | 45 | 66 | 45 | 45 | 30 | 45 | 30 | 30 | 60 | | |
| 47 | 42 | 45 | 65 | 45 | 45 | 30 | 45 | 30 | 30 | 58 | | |
| 46 | 41 | 44 | 63 | 44 | 45 | 29 | 45 | 29 | 29 | 57 | | |
| 45 | 40 | 43 | 62 | 43 | 44 | 29 | 44 | 29 | 29 | 55 | | |
| 44 | 39 | 43 | 60 | 43 | 44 | 28 | 44 | 28 | 28 | 54 | | |
| 43 | 38 | 42 | 54 | 42 | 43 | 28 | 43 | 28 | 28 | 53 | | |
| 42 | 37 | 41 | 58 | 41 | 43 | 27 | 43 | 27 | 27 | 51 | | |
| 41 | 36 | 40 | 56 | 40 | 42 | 26 | 42 | 26 | 26 | 50 | | |
| 40 | 35 | 40 | 55 | 40 | 42 | 26 | 42 | 26 | 26 | 49 | | |
| 39 | 34 | 39 | 54 | 39 | 41 | 25 | 41 | 25 | 25 | 48 | | |
| 38 | 33 | 39 | 53 | 39 | 41 | 24 | 41 | 24 | 24 | 47 | | |
| 37 | 33 | 38 | 52 | 38 | 40 | 24 | 40 | 24 | 24 | 45 | | |
| 36 | 32 | 37 | 51 | 37 | 40 | 23 | 40 | 23 | 23 | 44 | | |
| 35 | 31 | 37 | 49 | 37 | 39 | 23 | 39 | 23 | 23 | 43 | | |
| 34 | 30 | 36 | 48 | 36 | 39 | 22 | 39 | 22 | 22 | 42 | | |
| 33 | 30 | 35 | 47 | 35 | 38 | 21 | 38 | 21 | 21 | 40 | | |
| 32 | 29 | 35 | 46 | 35 | 38 | 20 | 38 | 20 | 20 | 39 | | |
| 31 | 28 | 34 | 45 | 34 | 37 | 20 | 37 | 20 | 20 | 39 | | |
| 30 | 28 | 33 | 44 | 33 | 36 | 19 | 36 | 19 | 19 | 38 | | |
| 29 | 27 | 32 | 43 | 32 | 36 | 19 | 36 | 19 | 19 | 37 | | |
| 28 | 26 | 32 | 41 | 32 | 35 | 18 | 35 | 18 | 18 | 36 | | |
| 27 | 26 | 31 | 40 | 31 | 34 | 17 | 34 | 17 | 17 | 35 | | |
| 26 | 25 | 30 | 39 | 30 | 33 | 17 | 33 | 17 | 17 | 33 | | |
| 25 | 24 | 29 | 37 | 29 | 33 | 16 | 33 | 16 | 16 | 32 | | |
| 24 | 23 | 28 | 36 | 28 | 32 | 15 | 32 | 15 | 15 | 31 | | |
| 23 | 23 | 27 | 34 | 27 | 31 | 15 | 31 | 15 | 15 | 30 | | |
| 22 | 22 | 26 | 32 | 26 | 29 | 14 | 29 | 14 | 14 | 29 | | |
| 21 | 21 | 25 | 31 | 25 | 28 | 13 | 28 | 13 | 13 | 27 | | |
| 20 | 20 | 23 | 29 | 23 | 27 | 13 | 27 | 13 | 13 | 26 | | |
| 19 | 19 | 22 | 26 | 22 | 25 | 12 | 25 | 12 | 12 | 25 | | |
| 18 | 18 | 20 | 25 | 20 | 23 | 11 | 23 | 11 | 11 | 23 | | |
| 17 | 17 | 19 | 23 | 19 | 22 | 11 | 22 | 11 | 11 | 22 | | |
| 16 | 16 | 17 | 21 | 17 | 20 | 10 | 20 | 10 | 10 | 20 | | |
| 15 | 15 | 16 | 20 | 16 | 18 | 9 | 18 | 9 | 9 | 19 | | |
| 14 | 14 | 15 | 19 | 15 | 17 | 9 | 17 | 9 | 9 | 18 | | |
| 13 | 13 | 14 | 17 | 14 | 15 | 8 | 15 | 8 | 8 | 16 | | |
| 12 | 12 | 12 | 16 | 12 | 14 | 7 | 14 | 7 | 7 | 15 | | |
| 11 | 11 | 11 | 15 | 11 | 12 | 6 | 12 | 6 | 6 | 14 | | |
| 10 | 10 | 10 | 14 | 10 | 11 | 5 | 11 | 5 | 5 | 12 | | |
| 9 | 9 | 9 | 13 | 9 | 10 | 5 | 10 | 5 | 5 | 11 | | |
| 8 | 8 | 8 | 12 | 8 | 8 | 4 | 8 | 4 | 4 | 10 | | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 2, EQUIPERCENTILE METHOD

| SRA (71 EC.) BLUE FORM E READING (COMPR.) | CAT (70 ED.) LEVEL 1 FORM A COMPREHENSION | CTRS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | ITBS (71 ED.) LEVEL 10 FCFM 5 COMPREHENSION | MAT (70 EC.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM 1 PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 7 | 7 | 7 | 10 | 7 | 3 | 8 |
| 6 | 6 | 6 | 9 | 6 | 3 | 7 |
| 5 | 5 | 5 | 8 | 5 | 2 | 6 |
| 4 | 4 | 4 | 6 | 4 | 2 | 4 |
| 3 | 3 | 3 | 5 | 3 | 1 | 3 |
| 2 | 2 | 2 | 3 | 2 | 1 | 2 |
| 1 | 1 | 1 | 2 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR PARAGRAPH MEANING

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING | | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | | SRA (71 ED.) BLUE FORM E READING (COMPR.) | |
|-----------|--|------------------|---|------------------|--|------------------|---|------------------|---|------------------|---|------------------|---|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 60 | 42 | 45 | 66 | 45 | 30 | 48 | 48 | | | | | | | |
| 59 | 42 | 45 | 65 | 45 | 30 | 48 | 48 | | | | | | | |
| 58 | 41 | 44 | 64 | 45 | 30 | 47 | 47 | | | | | | | |
| 57 | 41 | 44 | 63 | 45 | 29 | 46 | 46 | | | | | | | |
| 56 | 41 | 44 | 62 | 44 | 29 | 46 | 46 | | | | | | | |
| 55 | 40 | 43 | 62 | 44 | 29 | 45 | 45 | | | | | | | |
| 54 | 40 | 43 | 61 | 44 | 28 | 44 | 44 | | | | | | | |
| 53 | 39 | 42 | 59 | 43 | 28 | 43 | 43 | | | | | | | |
| 52 | 38 | 41 | 58 | 43 | 27 | 43 | 43 | | | | | | | |
| 51 | 37 | 41 | 57 | 42 | 27 | 42 | 42 | | | | | | | |
| 50 | 36 | 40 | 56 | 42 | 26 | 41 | 41 | | | | | | | |
| 49 | 35 | 40 | 56 | 42 | 26 | 40 | 40 | | | | | | | |
| 48 | 34 | 39 | 55 | 41 | 25 | 39 | 39 | | | | | | | |
| 47 | 34 | 39 | 54 | 41 | 25 | 39 | 39 | | | | | | | |
| 46 | 33 | 38 | 53 | 41 | 24 | 38 | 38 | | | | | | | |
| 45 | 33 | 38 | 52 | 40 | 24 | 37 | 37 | | | | | | | |
| 44 | 32 | 37 | 50 | 40 | 23 | 36 | 36 | | | | | | | |
| 43 | 31 | 37 | 49 | 39 | 23 | 35 | 35 | | | | | | | |
| 42 | 31 | 36 | 49 | 39 | 22 | 34 | 34 | | | | | | | |
| 41 | 30 | 36 | 48 | 38 | 21 | 34 | 34 | | | | | | | |
| 40 | 29 | 35 | 47 | 38 | 21 | 33 | 33 | | | | | | | |
| 39 | 29 | 34 | 45 | 37 | 20 | 32 | 32 | | | | | | | |
| 38 | 28 | 34 | 44 | 37 | 20 | 31 | 31 | | | | | | | |
| 37 | 27 | 33 | 43 | 36 | 19 | 30 | 30 | | | | | | | |
| 36 | 27 | 32 | 42 | 35 | 18 | 29 | 29 | | | | | | | |
| 35 | 26 | 31 | 41 | 35 | 18 | 28 | 28 | | | | | | | |
| 34 | 25 | 31 | 39 | 34 | 17 | 27 | 27 | | | | | | | |
| 33 | 25 | 30 | 38 | 33 | 16 | 26 | 26 | | | | | | | |
| 32 | 24 | 29 | 37 | 32 | 16 | 25 | 25 | | | | | | | |
| 31 | 23 | 28 | 35 | 32 | 15 | 24 | 24 | | | | | | | |
| 30 | 23 | 27 | 34 | 31 | 15 | 23 | 23 | | | | | | | |
| 29 | 22 | 26 | 33 | 30 | 14 | 22 | 22 | | | | | | | |
| 28 | 22 | 25 | 31 | 29 | 14 | 21 | 21 | | | | | | | |
| 27 | 21 | 24 | 30 | 28 | 13 | 21 | 21 | | | | | | | |
| 26 | 20 | 23 | 29 | 26 | 13 | 20 | 20 | | | | | | | |
| 25 | 20 | 22 | 27 | 25 | 12 | 19 | 19 | | | | | | | |
| 24 | 19 | 21 | 26 | 24 | 12 | 19 | 19 | | | | | | | |
| 23 | 19 | 20 | 24 | 23 | 11 | 18 | 18 | | | | | | | |
| 22 | 18 | 19 | 23 | 22 | 11 | 17 | 17 | | | | | | | |
| 21 | 17 | 18 | 22 | 21 | 10 | 17 | 17 | | | | | | | |
| 20 | 16 | 17 | 21 | 20 | 10 | 16 | 16 | | | | | | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (69 ED.) LEVEL 2 FORM C COMPREHENSION | ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|--|---|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 42 | 49 | 66 | 53 | 30 | 45 | 57 |
| 41 | 48 | 64 | 52 | 29 | 44 | 56 |
| 40 | 44 | 63 | 50 | 29 | 43 | 54 |
| 39 | 45 | 61 | 49 | 28 | 42 | 53 |
| 38 | 44 | 59 | 48 | 27 | 41 | 51 |
| 37 | 43 | 58 | 46 | 26 | 40 | 50 |
| 36 | 42 | 56 | 45 | 25 | 38 | 49 |
| 35 | 40 | 54 | 44 | 25 | 37 | 47 |
| 34 | 39 | 52 | 43 | 24 | 36 | 46 |
| 33 | 38 | 51 | 41 | 23 | 35 | 44 |
| 32 | 37 | 49 | 40 | 22 | 34 | 43 |
| 31 | 35 | 47 | 39 | 21 | 32 | 41 |
| 30 | 34 | 46 | 37 | 21 | 31 | 40 |
| 29 | 33 | 44 | 36 | 20 | 30 | 38 |
| 28 | 32 | 42 | 35 | 19 | 29 | 37 |
| 27 | 30 | 41 | 33 | 18 | 28 | 35 |
| 26 | 29 | 39 | 32 | 18 | 27 | 34 |
| 25 | 28 | 37 | 31 | 17 | 25 | 33 |
| 24 | 27 | 35 | 30 | 16 | 24 | 31 |
| 23 | 25 | 34 | 28 | 15 | 23 | 30 |
| 22 | 24 | 32 | 27 | 14 | 22 | 28 |
| 21 | 23 | 30 | 26 | 14 | 21 | 27 |
| 20 | 22 | 29 | 24 | 13 | 20 | 25 |
| 19 | 20 | 27 | 23 | 12 | 18 | 24 |
| 18 | 19 | 25 | 22 | 11 | 17 | 22 |
| 17 | 18 | 23 | 20 | 10 | 16 | 21 |
| 16 | 17 | 22 | 19 | 10 | 15 | 19 |
| 15 | 15 | 20 | 18 | 9 | 14 | 18 |
| 14 | 14 | 18 | 17 | 8 | 13 | 17 |
| 13 | 13 | 17 | 15 | 7 | 11 | 15 |
| 12 | 12 | 15 | 14 | 6 | 10 | 14 |
| 11 | 11 | 13 | 13 | 6 | 9 | 12 |
| 10 | 9 | 11 | 11 | 5 | 8 | 11 |
| 9 | 8 | 10 | 10 | 4 | 7 | 9 |
| 8 | 7 | 8 | 9 | 3 | 6 | 8 |
| 7 | 6 | 6 | 7 | 2 | 4 | 6 |
| 6 | 4 | 5 | 6 | 2 | 3 | 5 |
| 5 | 3 | 3 | 5 | 1 | 2 | 3 |
| 4 | 2 | 1 | 4 | 0 | 1 | 2 |
| 3 | 1 | 1 | 2 | 0 | 0 | 1 |
| 2 | 1 | 1 | 1 | 0 | 0 | 1 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM B PARAGRAPH MEANING |
|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | 2 | 0 | 2 | 3 | 2 |
| 0 | 3 | 2 | 3 | 4 | 4 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, LINEAR METHOD

| CTBS (68 ED.) LEVEL 2 FORM C | CAT (70 ED.) LEVEL 3 FORM A | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-11 (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) DLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 45 | 39 | 61 | 49 | 28 | 42 | 53 |
| 44 | 38 | 59 | 48 | 27 | 41 | 52 |
| 43 | 37 | 58 | 47 | 26 | 40 | 50 |
| 42 | 36 | 57 | 46 | 26 | 39 | 49 |
| 41 | 36 | 55 | 45 | 25 | 38 | 48 |
| 40 | 35 | 54 | 44 | 25 | 37 | 47 |
| 39 | 34 | 53 | 43 | 24 | 35 | 45 |
| 38 | 33 | 51 | 42 | 23 | 35 | 45 |
| 37 | 32 | 50 | 40 | 23 | 34 | 43 |
| 36 | 32 | 48 | 39 | 22 | 33 | 42 |
| 35 | 31 | 47 | 38 | 21 | 32 | 41 |
| 34 | 30 | 46 | 37 | 21 | 31 | 40 |
| 33 | 29 | 44 | 36 | 20 | 30 | 39 |
| 32 | 28 | 43 | 35 | 19 | 29 | 37 |
| 31 | 28 | 41 | 34 | 19 | 28 | 36 |
| 30 | 27 | 40 | 33 | 18 | 23 | 35 |
| 29 | 25 | 39 | 32 | 17 | 27 | 34 |
| 28 | 25 | 37 | 31 | 17 | 33 | 33 |
| 27 | 24 | 36 | 30 | 16 | 26 | 32 |
| 26 | 24 | 35 | 29 | 16 | 25 | 30 |
| 25 | 23 | 33 | 28 | 15 | 24 | 29 |
| 24 | 22 | 32 | 27 | 14 | 22 | 28 |
| 23 | 21 | 30 | 26 | 14 | 21 | 27 |
| 22 | 20 | 29 | 25 | 13 | 20 | 26 |
| 21 | 20 | 28 | 24 | 12 | 19 | 25 |
| 20 | 19 | 26 | 23 | 12 | 18 | 23 |
| 19 | 19 | 25 | 22 | 11 | 17 | 22 |
| 18 | 17 | 24 | 21 | 10 | 16 | 21 |
| 17 | 16 | 22 | 20 | 10 | 15 | 20 |
| 16 | 15 | 21 | 18 | 9 | 14 | 19 |
| 15 | 15 | 19 | 17 | 8 | 13 | 17 |
| 14 | 14 | 18 | 16 | 8 | 12 | 16 |
| 13 | 13 | 17 | 15 | 7 | 11 | 15 |
| 12 | 12 | 15 | 14 | 7 | 10 | 14 |
| 11 | 11 | 14 | 13 | 6 | 10 | 13 |
| 10 | 11 | 12 | 12 | 5 | 9 | 12 |
| 9 | 10 | 11 | 11 | 5 | 8 | 10 |
| 8 | 9 | 10 | 10 | 4 | 7 | 9 |
| 7 | 8 | 8 | 9 | 3 | 6 | 8 |
| 6 | 7 | 7 | 8 | 3 | 5 | 7 |
| 5 | 7 | 6 | 7 | 2 | 4 | 6 |

TABLE 86. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, LINEAR METHOD

| CTBS (63 ED.) LEVEL 2 FORM C | CAT (70 ED.) LEVEL 3 FORM A | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 4 | 5 | 1 | 3 | 5 | 5 |
| 3 | 1 | 5 | 5 | 1 | 3 | 3 |
| 2 | 1 | 4 | 4 | 0 | 1 | 2 |
| 1 | 0 | 3 | 3 | - 1 | 0 | 1 |
| 0 | - 1 | 2 | 2 | - 1 | - 1 | 0 |

10-4A TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE 1 FORM M PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 69 | 43 | 50 | 54 | 31 | 47 | 59 |
| 67 | 43 | 50 | 54 | 31 | 46 | 58 |
| 66 | 42 | 49 | 53 | 30 | 45 | 57 |
| 65 | 41 | 48 | 52 | 30 | 45 | 56 |
| 64 | 41 | 47 | 51 | 29 | 44 | 55 |
| 63 | 40 | 47 | 51 | 29 | 43 | 55 |
| 62 | 40 | 46 | 50 | 28 | 43 | 54 |
| 61 | 39 | 45 | 49 | 28 | 42 | 53 |
| 60 | 38 | 44 | 48 | 27 | 41 | 52 |
| 59 | 38 | 44 | 48 | 27 | 40 | 51 |
| 58 | 37 | 43 | 47 | 26 | 40 | 50 |
| 57 | 37 | 42 | 46 | 26 | 39 | 50 |
| 56 | 36 | 42 | 45 | 26 | 38 | 49 |
| 55 | 35 | 41 | 44 | 25 | 38 | 48 |
| 54 | 35 | 40 | 44 | 25 | 37 | 47 |
| 53 | 34 | 39 | 43 | 24 | 36 | 46 |
| 52 | 34 | 39 | 42 | 24 | 36 | 45 |
| 51 | 33 | 38 | 41 | 23 | 35 | 44 |
| 50 | 33 | 37 | 41 | 23 | 34 | 44 |
| 49 | 32 | 37 | 40 | 22 | 34 | 43 |
| 48 | 31 | 36 | 39 | 22 | 33 | 42 |
| 47 | 31 | 35 | 38 | 21 | 32 | 41 |
| 46 | 30 | 34 | 38 | 21 | 32 | 40 |
| 45 | 30 | 34 | 37 | 20 | 31 | 39 |
| 44 | 29 | 33 | 36 | 20 | 30 | 38 |
| 43 | 29 | 32 | 35 | 19 | 30 | 38 |
| 42 | 28 | 31 | 35 | 19 | 29 | 37 |
| 41 | 27 | 31 | 34 | 19 | 28 | 36 |
| 40 | 27 | 30 | 33 | 18 | 27 | 35 |
| 39 | 26 | 29 | 32 | 18 | 27 | 34 |
| 38 | 26 | 29 | 32 | 17 | 26 | 33 |
| 37 | 25 | 28 | 31 | 17 | 25 | 33 |
| 36 | 24 | 27 | 30 | 16 | 25 | 32 |
| 35 | 24 | 26 | 29 | 16 | 24 | 31 |
| 34 | 23 | 26 | 29 | 15 | 23 | 30 |
| 33 | 23 | 25 | 28 | 15 | 23 | 29 |
| 32 | 22 | 24 | 27 | 14 | 22 | 28 |
| 31 | 22 | 24 | 26 | 14 | 21 | 27 |
| 30 | 21 | 23 | 26 | 13 | 21 | 27 |
| 29 | 20 | 22 | 25 | 13 | 20 | 26 |
| 28 | 20 | 21 | 24 | 12 | 19 | 25 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION.

PROCEDURE 3, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 2 FORM A COMPREHENSION | CTBS (69 ED.) LEVEL 2 FORM C COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM A PARAGRAPH READING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 27 | 19 | 21 | 23 | 12 | 19 | 24 |
| 26 | 19 | 20 | 22 | 12 | 18 | 23 |
| 25 | 18 | 19 | 22 | 11 | 17 | 22 |
| 24 | 17 | 18 | 21 | 11 | 17 | 21 |
| 23 | 17 | 18 | 20 | 10 | 16 | 21 |
| 22 | 16 | 17 | 19 | 10 | 15 | 20 |
| 21 | 16 | 16 | 19 | 9 | 14 | 19 |
| 20 | 15 | 16 | 18 | 9 | 14 | 18 |
| 19 | 15 | 15 | 17 | 8 | 13 | 17 |
| 18 | 14 | 14 | 16 | 8 | 12 | 16 |
| 17 | 13 | 13 | 16 | 7 | 12 | 16 |
| 16 | 13 | 13 | 15 | 7 | 11 | 15 |
| 15 | 12 | 12 | 14 | 6 | 10 | 14 |
| 14 | 12 | 11 | 13 | 6 | 10 | 13 |
| 13 | 11 | 10 | 13 | 6 | 9 | 12 |
| 12 | 10 | 10 | 12 | 5 | 8 | 11 |
| 11 | 9 | 9 | 11 | 5 | 8 | 10 |
| 10 | 9 | 8 | 10 | 4 | 7 | 10 |
| 9 | 8 | 8 | 10 | 4 | 6 | 9 |
| 8 | 7 | 7 | 9 | 3 | 6 | 8 |
| 7 | 7 | 6 | 8 | 3 | 5 | 7 |
| 6 | 7 | 7 | 7 | 2 | 4 | 6 |
| 5 | 6 | 6 | 7 | 2 | 4 | 5 |
| 4 | 6 | 4 | 6 | 1 | 3 | 4 |
| 3 | 5 | 3 | 5 | 1 | 2 | 4 |
| 2 | 5 | 3 | 4 | 0 | 1 | 3 |
| 1 | 4 | 2 | 4 | 0 | 1 | 2 |
| 0 | 3 | 1 | 3 | - 1 | 0 | 1 |



TABLE 88. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 3, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | CAT (70 ED.) LEVEL 2 FORM A COMPREHENSION | CTRS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING | RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|--|--|---|--|--|--|---|-----------|------------------|------------------|------------------|------------------|
| 45 | 36 | 41 | 56 | 25 | 39 | 25 | 49 | | | | |
| 44 | 35 | 40 | 54 | 25 | 37 | 25 | 47 | | | | |
| 43 | 34 | 40 | 53 | 24 | 36 | 24 | 46 | | | | |
| 42 | 34 | 39 | 52 | 24 | 36 | 24 | 45 | | | | |
| 41 | 33 | 38 | 51 | 23 | 35 | 23 | 44 | | | | |
| 40 | 32 | 37 | 49 | 22 | 34 | 22 | 43 | | | | |
| 39 | 31 | 36 | 48 | 22 | 33 | 22 | 42 | | | | |
| 38 | 31 | 35 | 47 | 21 | 32 | 21 | 41 | | | | |
| 37 | 30 | 34 | 45 | 21 | 31 | 21 | 40 | | | | |
| 36 | 29 | 33 | 44 | 20 | 30 | 20 | 38 | | | | |
| 35 | 28 | 32 | 43 | 19 | 29 | 19 | 37 | | | | |
| 34 | 28 | 31 | 41 | 19 | 28 | 19 | 36 | | | | |
| 33 | 27 | 30 | 40 | 18 | 27 | 18 | 35 | | | | |
| 32 | 26 | 29 | 39 | 17 | 27 | 17 | 34 | | | | |
| 31 | 25 | 28 | 37 | 17 | 26 | 17 | 33 | | | | |
| 30 | 24 | 27 | 36 | 16 | 25 | 16 | 32 | | | | |
| 29 | 24 | 26 | 35 | 16 | 24 | 16 | 31 | | | | |
| 28 | 23 | 25 | 33 | 15 | 23 | 15 | 29 | | | | |
| 27 | 22 | 24 | 32 | 14 | 22 | 14 | 28 | | | | |
| 26 | 21 | 23 | 31 | 14 | 21 | 14 | 27 | | | | |
| 25 | 21 | 22 | 29 | 13 | 20 | 13 | 26 | | | | |
| 24 | 20 | 21 | 28 | 13 | 19 | 13 | 25 | | | | |
| 23 | 19 | 20 | 27 | 12 | 18 | 12 | 24 | | | | |
| 22 | 18 | 19 | 25 | 11 | 18 | 11 | 23 | | | | |
| 21 | 17 | 19 | 24 | 11 | 17 | 11 | 22 | | | | |
| 20 | 17 | 18 | 23 | 10 | 16 | 10 | 20 | | | | |
| 19 | 16 | 17 | 22 | 9 | 15 | 9 | 19 | | | | |
| 18 | 15 | 16 | 20 | 9 | 14 | 9 | 18 | | | | |
| 17 | 14 | 15 | 19 | 8 | 13 | 8 | 17 | | | | |
| 16 | 14 | 14 | 18 | 8 | 12 | 8 | 16 | | | | |
| 15 | 13 | 13 | 16 | 7 | 11 | 7 | 15 | | | | |
| 14 | 12 | 12 | 15 | 6 | 10 | 6 | 14 | | | | |
| 13 | 11 | 11 | 14 | 6 | 9 | 6 | 13 | | | | |
| 12 | 11 | 10 | 12 | 5 | 8 | 5 | 11 | | | | |
| 11 | 10 | 9 | 11 | 5 | 8 | 5 | 10 | | | | |
| 10 | 9 | 8 | 10 | 4 | 7 | 4 | 9 | | | | |
| 9 | 8 | 7 | 8 | 3 | 6 | 3 | 8 | | | | |
| 8 | 7 | 6 | 7 | 3 | 5 | 3 | 7 | | | | |
| 7 | 7 | 5 | 6 | 2 | 4 | 2 | 6 | | | | |
| 6 | 6 | 4 | 4 | 1 | 3 | 1 | 5 | | | | |
| 5 | 5 | 3 | 3 | 1 | 2 | 1 | 4 | | | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 3, LINEAR METHOD

| | CAT (70 ED.) LEVEL 2 FORM A COMPREHENSION | CTRS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|-----------|--|---|--|---------------------------------------|--------------------------------|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 2 | 2 | 0 | 1 | 3 | |
| 3 | 1 | 0 | 0 | 0 | 1 | |
| 2 | 0 | - 1 | - 1 | - 1 | 0 | |
| 1 | - 1 | - 2 | - 2 | - 1 | - 1 | |
| 0 | - 2 | - 4 | - 2 | - 2 | - 2 | |

ESSENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART 2 (COMPREHENSION)

PROCEDURE 3, LINEAR METHOD

| STEP-II (49 ED.) LEVEL 4 FORM A | CATS (49 ED.) LEVEL 3 FORM A | CIRS (49 ED.) LEVEL 2 FORM C | ITRS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | SRA (71 ED.) BLUE FORM E | SAT (66 ED.) INTERMEDIATE I FORM M |
|---------------------------------------|------------------------------------|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------|--|
| PART 2 (COMPR.) | COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 30 | 42 | 49 | 66 | 53 | 45 | 57 |
| 29 | 41 | 47 | 64 | 51 | 44 | 55 |
| 28 | 39 | 45 | 61 | 49 | 42 | 53 |
| 27 | 38 | 44 | 59 | 48 | 41 | 51 |
| 26 | 37 | 42 | 57 | 46 | 39 | 50 |
| 25 | 35 | 41 | 55 | 44 | 38 | 48 |
| 24 | 34 | 39 | 53 | 43 | 36 | 46 |
| 23 | 33 | 38 | 51 | 41 | 35 | 44 |
| 22 | 32 | 36 | 49 | 40 | 33 | 42 |
| 21 | 31 | 35 | 46 | 38 | 32 | 40 |
| 20 | 29 | 33 | 44 | 36 | 30 | 39 |
| 19 | 28 | 32 | 42 | 35 | 29 | 37 |
| 18 | 27 | 30 | 40 | 33 | 27 | 35 |
| 17 | 25 | 28 | 38 | 31 | 26 | 33 |
| 16 | 24 | 27 | 36 | 30 | 24 | 31 |
| 15 | 23 | 25 | 34 | 28 | 23 | 30 |
| 14 | 22 | 24 | 31 | 27 | 22 | 28 |
| 13 | 20 | 22 | 29 | 25 | 20 | 26 |
| 12 | 19 | 21 | 27 | 23 | 19 | 24 |
| 11 | 18 | 19 | 25 | 22 | 17 | 22 |
| 10 | 17 | 18 | 23 | 20 | 16 | 20 |
| 9 | 15 | 16 | 21 | 18 | 14 | 19 |
| 8 | 14 | 14 | 19 | 17 | 13 | 17 |
| 7 | 13 | 13 | 16 | 15 | 11 | 15 |
| 6 | 12 | 11 | 14 | 13 | 10 | 13 |
| 5 | 10 | 10 | 12 | 12 | 8 | 11 |
| 4 | 9 | 8 | 10 | 10 | 7 | 9 |
| 3 | 8 | 7 | 9 | 9 | 5 | 8 |
| 2 | 7 | 5 | 6 | 7 | 4 | 6 |
| 1 | 5 | 4 | 3 | 5 | 2 | 4 |
| 0 | 4 | 2 | 1 | 4 | 1 | 2 |

TABLE 90. ANCHOR TEST FLOATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CIRS (68 ED.) | | ITBS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SAT (64 ED.) | |
|-----------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|--------|------------------|--------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | FORM A | EQUIVALENT SCORE | FORM A |
| 48 | 44 | 52 | 70 | 56 | 32 | 61 | | | | | | |
| 47 | 43 | 51 | 69 | 55 | 31 | 59 | | | | | | |
| 46 | 42 | 50 | 67 | 54 | 31 | 56 | | | | | | |
| 45 | 41 | 49 | 66 | 53 | 30 | 57 | | | | | | |
| 44 | 40 | 48 | 64 | 51 | 29 | 59 | | | | | | |
| 43 | 39 | 46 | 63 | 50 | 29 | 59 | | | | | | |
| 42 | 38 | 45 | 61 | 49 | 28 | 57 | | | | | | |
| 41 | 37 | 44 | 60 | 48 | 27 | 52 | | | | | | |
| 40 | 36 | 43 | 58 | 47 | 27 | 51 | | | | | | |
| 39 | 35 | 42 | 57 | 46 | 26 | 48 | | | | | | |
| 38 | 34 | 41 | 55 | 45 | 25 | 48 | | | | | | |
| 37 | 33 | 40 | 54 | 44 | 25 | 47 | | | | | | |
| 36 | 32 | 39 | 53 | 43 | 24 | 45 | | | | | | |
| 35 | 31 | 38 | 51 | 41 | 23 | 44 | | | | | | |
| 34 | 30 | 37 | 50 | 40 | 23 | 43 | | | | | | |
| 33 | 29 | 36 | 48 | 39 | 22 | 42 | | | | | | |
| 32 | 28 | 35 | 47 | 38 | 21 | 41 | | | | | | |
| 31 | 27 | 34 | 45 | 37 | 21 | 40 | | | | | | |
| 30 | 26 | 33 | 44 | 36 | 20 | 38 | | | | | | |
| 29 | 25 | 32 | 42 | 35 | 19 | 37 | | | | | | |
| 28 | 24 | 31 | 41 | 34 | 19 | 36 | | | | | | |
| 27 | 23 | 30 | 39 | 33 | 18 | 35 | | | | | | |
| 26 | 22 | 29 | 38 | 32 | 17 | 33 | | | | | | |
| 25 | 21 | 27 | 36 | 30 | 16 | 32 | | | | | | |
| 24 | 20 | 26 | 35 | 29 | 16 | 31 | | | | | | |
| 23 | 19 | 25 | 34 | 28 | 15 | 30 | | | | | | |
| 22 | 18 | 24 | 32 | 27 | 14 | 28 | | | | | | |
| 21 | 17 | 23 | 31 | 26 | 14 | 27 | | | | | | |
| 20 | 16 | 22 | 29 | 25 | 13 | 25 | | | | | | |
| 19 | 15 | 21 | 28 | 24 | 12 | 25 | | | | | | |
| 18 | 14 | 20 | 26 | 23 | 12 | 23 | | | | | | |
| 17 | 13 | 19 | 25 | 22 | 11 | 22 | | | | | | |
| 16 | 12 | 18 | 23 | 20 | 10 | 21 | | | | | | |
| 15 | 11 | 17 | 22 | 19 | 10 | 20 | | | | | | |
| 14 | 10 | 16 | 20 | 18 | 9 | 18 | | | | | | |
| 13 | 9 | 15 | 19 | 17 | 8 | 17 | | | | | | |
| 12 | 8 | 14 | 18 | 16 | 8 | 16 | | | | | | |
| 11 | 7 | 13 | 16 | 15 | 7 | 15 | | | | | | |
| 10 | 6 | 12 | 15 | 14 | 6 | 13 | | | | | | |
| 9 | 5 | 11 | 13 | 13 | 6 | 12 | | | | | | |
| 8 | 4 | 9 | 12 | 12 | 5 | 11 | | | | | | |

SRA ACHIEVEMENT SERIES (SPA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | | CTBS (65 ED.) LEVEL 2 FORM C COMPREHENSION | | ITBS (71 ED.) LEVEL 10 FORM B COMPREHENSION | | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | | SAT (64 ED.) INTERMEDIATE I FORM A PARAGRAPH MEANING | |
|-----------|--|------------------|---|------------------|--|------------------|--|------------------|--|------------------|---|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 7 | 9 | 8 | 10 | 10 | 10 | 10 | 10 | 4 | 4 | 10 | | |
| 6 | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 8 | | |
| 5 | 8 | 6 | 7 | 7 | 7 | 7 | 7 | 3 | 3 | 7 | | |
| 4 | 7 | 5 | 6 | 6 | 6 | 6 | 6 | 2 | 2 | 6 | | |
| 3 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 1 | 5 | | |
| 2 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | | |
| 1 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 2 | | |
| 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | - | - | 1 | | |

STARFORD ACHIEVEMENT TEST (SAT) READING, 1954 EDITION: EQUIVALENT RAW SCORES FOR PARAGRAPH MEANING

PROCEDURE 3, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE 1 FORM W PARAGRAPH MEANING | CAT (70 ED.) LEVEL 2 FORM A | | CTAS (68 ED.) LEVEL 2 FORM C | | ITRS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) ALICE FORM E | |
|---|-----------------------------------|---------------|------------------------------------|---------------|-------------------------------------|---------------|--------------------------------------|------------------|---------------------------------------|------------------|---------------------------------|------------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) |
| 40 | 44 | 51 | 69 | 55 | 32 | 45 | 32 | 45 | 32 | 45 | 32 | 45 |
| 41 | 43 | 50 | 68 | 54 | 31 | 44 | 31 | 44 | 31 | 44 | 31 | 44 |
| 42 | 42 | 49 | 67 | 53 | 30 | 43 | 30 | 43 | 30 | 43 | 30 | 43 |
| 43 | 41 | 48 | 65 | 52 | 29 | 42 | 29 | 42 | 29 | 42 | 29 | 42 |
| 44 | 41 | 47 | 64 | 51 | 28 | 41 | 28 | 41 | 28 | 41 | 28 | 41 |
| 45 | 40 | 46 | 62 | 50 | 27 | 40 | 27 | 40 | 27 | 40 | 27 | 40 |
| 46 | 39 | 45 | 61 | 49 | 26 | 39 | 26 | 39 | 26 | 39 | 26 | 39 |
| 47 | 38 | 44 | 60 | 48 | 25 | 38 | 25 | 38 | 25 | 38 | 25 | 38 |
| 48 | 37 | 43 | 59 | 47 | 24 | 37 | 24 | 37 | 24 | 37 | 24 | 37 |
| 49 | 37 | 42 | 58 | 46 | 23 | 36 | 23 | 36 | 23 | 36 | 23 | 36 |
| 50 | 36 | 41 | 56 | 45 | 22 | 35 | 22 | 35 | 22 | 35 | 22 | 35 |
| 51 | 35 | 40 | 55 | 44 | 21 | 34 | 21 | 34 | 21 | 34 | 21 | 34 |
| 52 | 34 | 39 | 54 | 43 | 20 | 33 | 20 | 33 | 20 | 33 | 20 | 33 |
| 53 | 34 | 38 | 53 | 42 | 19 | 32 | 19 | 32 | 19 | 32 | 19 | 32 |
| 54 | 33 | 37 | 52 | 41 | 18 | 31 | 18 | 31 | 18 | 31 | 18 | 31 |
| 55 | 33 | 36 | 51 | 40 | 17 | 30 | 17 | 30 | 17 | 30 | 17 | 30 |
| 56 | 32 | 35 | 49 | 39 | 16 | 29 | 16 | 29 | 16 | 29 | 16 | 29 |
| 57 | 32 | 34 | 48 | 38 | 15 | 28 | 15 | 28 | 15 | 28 | 15 | 28 |
| 58 | 31 | 33 | 47 | 37 | 14 | 27 | 14 | 27 | 14 | 27 | 14 | 27 |
| 59 | 31 | 32 | 45 | 36 | 13 | 26 | 13 | 26 | 13 | 26 | 13 | 26 |
| 60 | 30 | 31 | 44 | 35 | 12 | 25 | 12 | 25 | 12 | 25 | 12 | 25 |
| 61 | 30 | 30 | 43 | 34 | 11 | 24 | 11 | 24 | 11 | 24 | 11 | 24 |
| 62 | 29 | 29 | 42 | 33 | 10 | 23 | 10 | 23 | 10 | 23 | 10 | 23 |
| 63 | 29 | 28 | 41 | 32 | 9 | 22 | 9 | 22 | 9 | 22 | 9 | 22 |
| 64 | 28 | 27 | 40 | 31 | 8 | 21 | 8 | 21 | 8 | 21 | 8 | 21 |
| 65 | 28 | 26 | 39 | 30 | 7 | 20 | 7 | 20 | 7 | 20 | 7 | 20 |
| 66 | 27 | 25 | 38 | 29 | 6 | 19 | 6 | 19 | 6 | 19 | 6 | 19 |
| 67 | 27 | 24 | 37 | 28 | 5 | 18 | 5 | 18 | 5 | 18 | 5 | 18 |
| 68 | 26 | 23 | 36 | 27 | 4 | 17 | 4 | 17 | 4 | 17 | 4 | 17 |
| 69 | 26 | 22 | 35 | 26 | 3 | 16 | 3 | 16 | 3 | 16 | 3 | 16 |
| 70 | 25 | 21 | 34 | 25 | 2 | 15 | 2 | 15 | 2 | 15 | 2 | 15 |
| 71 | 25 | 20 | 33 | 24 | 1 | 14 | 1 | 14 | 1 | 14 | 1 | 14 |
| 72 | 24 | 19 | 32 | 23 | 0 | 13 | 0 | 13 | 0 | 13 | 0 | 13 |
| 73 | 24 | 18 | 31 | 22 | 0 | 12 | 0 | 12 | 0 | 12 | 0 | 12 |
| 74 | 23 | 17 | 30 | 21 | 0 | 11 | 0 | 11 | 0 | 11 | 0 | 11 |
| 75 | 23 | 16 | 29 | 20 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 |
| 76 | 22 | 15 | 28 | 19 | 0 | 9 | 0 | 9 | 0 | 9 | 0 | 9 |
| 77 | 22 | 14 | 27 | 18 | 0 | 8 | 0 | 8 | 0 | 8 | 0 | 8 |
| 78 | 21 | 13 | 26 | 17 | 0 | 7 | 0 | 7 | 0 | 7 | 0 | 7 |
| 79 | 21 | 12 | 25 | 16 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 |
| 80 | 20 | 11 | 24 | 15 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| 81 | 20 | 10 | 23 | 14 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| 82 | 19 | 9 | 22 | 13 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 |
| 83 | 19 | 8 | 21 | 12 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| 84 | 18 | 7 | 20 | 11 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 85 | 18 | 6 | 19 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | 17 | 5 | 18 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | 17 | 4 | 17 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | 16 | 3 | 16 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | 16 | 2 | 15 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | 15 | 1 | 14 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 | 15 | 0 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 92 | 14 | 0 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | 14 | 0 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | 13 | 0 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | 13 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | 12 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | 12 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | 11 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | 11 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | 10 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CATS (68 ED.) LEVEL 2 FORM C COMPREHENSION | TPS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM F READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH READING |
|--|---|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 47 | 45 | 66 | 45 | 30 | 48 | 59 |
| 41 | 64 | 64 | 45 | 29 | 46 | 57 |
| 40 | 43 | 62 | 44 | 29 | 45 | 55 |
| 38 | 42 | 60 | 44 | 28 | 44 | 54 |
| 37 | 42 | 59 | 43 | 27 | 42 | 52 |
| 35 | 41 | 57 | 42 | 27 | 41 | 51 |
| 35 | 40 | 56 | 40 | 26 | 40 | 49 |
| 35 | 39 | 55 | 41 | 25 | 39 | 48 |
| 34 | 38 | 53 | 41 | 25 | 38 | 46 |
| 33 | 38 | 52 | 40 | 24 | 36 | 45 |
| 32 | 37 | 50 | 39 | 23 | 35 | 43 |
| 31 | 36 | 48 | 39 | 22 | 33 | 42 |
| 30 | 35 | 47 | 38 | 21 | 32 | 40 |
| 29 | 34 | 45 | 37 | 20 | 30 | 39 |
| 28 | 33 | 43 | 36 | 19 | 29 | 37 |
| 27 | 31 | 41 | 35 | 18 | 27 | 36 |
| 26 | 30 | 40 | 34 | 17 | 26 | 34 |
| 25 | 29 | 37 | 33 | 16 | 24 | 32 |
| 24 | 27 | 35 | 31 | 15 | 23 | 31 |
| 23 | 26 | 33 | 30 | 14 | 22 | 29 |
| 22 | 24 | 31 | 28 | 14 | 20 | 27 |
| 21 | 23 | 29 | 26 | 13 | 19 | 26 |
| 20 | 21 | 27 | 25 | 12 | 19 | 24 |
| 19 | 20 | 25 | 23 | 11 | 17 | 23 |
| 18 | 18 | 23 | 21 | 11 | 16 | 21 |
| 17 | 17 | 21 | 20 | 10 | 16 | 20 |
| 16 | 16 | 20 | 19 | 9 | 15 | 19 |
| 15 | 15 | 19 | 17 | 9 | 14 | 18 |
| 14 | 14 | 18 | 16 | 8 | 13 | 17 |
| 13 | 13 | 17 | 15 | 8 | 12 | 16 |
| 12 | 12 | 16 | 13 | 7 | 11 | 15 |
| 11 | 11 | 15 | 12 | 6 | 11 | 13 |
| 10 | 10 | 14 | 11 | 6 | 10 | 12 |
| 9 | 9 | 13 | 10 | 5 | 9 | 11 |
| 8 | 8 | 12 | 8 | 4 | 8 | 9 |
| 7 | 7 | 10 | 7 | 3 | 7 | 8 |
| 6 | 6 | 8 | 6 | 3 | 6 | 6 |
| 5 | 5 | 7 | 5 | 2 | 4 | 5 |
| 4 | 4 | 5 | 4 | 2 | 4 | 4 |
| 3 | 3 | 4 | 3 | 1 | 3 | 3 |
| 2 | 2 | 3 | 2 | 1 | 2 | 2 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | WAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|---|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | 2 | 1 | 0 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CBSS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|--|--|--|--|--|---|------------------|------------------|------------------|------------------|
| 45 | 42 | 66 | 45 | 30 | 48 | 59 | | | | |
| 44 | 41 | 64 | 45 | 29 | 46 | 57 | | | | |
| 43 | 40 | 62 | 44 | 29 | 45 | 55 | | | | |
| 42 | 39 | 60 | 43 | 28 | 43 | 53 | | | | |
| 41 | 37 | 58 | 43 | 27 | 42 | 51 | | | | |
| 40 | 36 | 56 | 42 | 26 | 40 | 49 | | | | |
| 39 | 35 | 54 | 41 | 25 | 38 | 48 | | | | |
| 38 | 34 | 52 | 41 | 24 | 37 | 46 | | | | |
| 37 | 32 | 51 | 40 | 23 | 35 | 44 | | | | |
| 36 | 31 | 49 | 39 | 22 | 34 | 42 | | | | |
| 35 | 30 | 47 | 38 | 21 | 32 | 41 | | | | |
| 34 | 29 | 46 | 37 | 20 | 31 | 39 | | | | |
| 33 | 28 | 44 | 36 | 20 | 29 | 38 | | | | |
| 32 | 28 | 42 | 36 | 19 | 28 | 36 | | | | |
| 31 | 27 | 41 | 35 | 18 | 27 | 35 | | | | |
| 30 | 26 | 39 | 34 | 17 | 26 | 34 | | | | |
| 29 | 25 | 38 | 33 | 16 | 25 | 33 | | | | |
| 28 | 24 | 36 | 32 | 16 | 23 | 31 | | | | |
| 27 | 24 | 35 | 31 | 15 | 23 | 30 | | | | |
| 26 | 23 | 33 | 30 | 15 | 22 | 29 | | | | |
| 25 | 23 | 32 | 29 | 14 | 21 | 28 | | | | |
| 24 | 22 | 31 | 28 | 13 | 20 | 27 | | | | |
| 23 | 21 | 29 | 27 | 13 | 20 | 26 | | | | |
| 22 | 21 | 28 | 26 | 12 | 19 | 25 | | | | |
| 21 | 20 | 27 | 24 | 12 | 18 | 24 | | | | |
| 20 | 19 | 25 | 23 | 12 | 18 | 23 | | | | |
| 19 | 19 | 24 | 22 | 11 | 17 | 22 | | | | |
| 18 | 18 | 23 | 21 | 11 | 16 | 21 | | | | |
| 17 | 17 | 22 | 20 | 10 | 16 | 20 | | | | |
| 16 | 16 | 21 | 19 | 10 | 15 | 19 | | | | |
| 15 | 15 | 20 | 18 | 9 | 14 | 18 | | | | |
| 14 | 14 | 19 | 16 | 8 | 13 | 17 | | | | |
| 13 | 13 | 17 | 15 | 8 | 13 | 16 | | | | |
| 12 | 12 | 16 | 14 | 7 | 12 | 15 | | | | |
| 11 | 11 | 15 | 12 | 6 | 11 | 14 | | | | |
| 10 | 10 | 14 | 11 | 6 | 10 | 13 | | | | |
| 9 | 9 | 13 | 10 | 5 | 9 | 11 | | | | |
| 8 | 8 | 12 | 9 | 4 | 8 | 10 | | | | |
| 7 | 7 | 10 | 7 | 3 | 7 | 8 | | | | |
| 6 | 6 | 9 | 6 | 3 | 6 | 7 | | | | |
| 5 | 5 | 7 | 5 | 2 | 5 | 6 | | | | |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (CCMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM 4 E READING (CDMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|---|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 4 | 6 | 4 | 2 | 4 | 4 |
| 3 | 3 | 4 | 3 | 1 | 3 | 3 |
| 2 | 2 | 3 | 2 | 1 | 2 | 2 |
| 1 | 1 | 2 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 94. ANCHOR TEST EQUATING STUDY: GRADE 4

OWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 7, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 7 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|--|--|---|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | | | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE |
| 68 | 42 | 45 | 45 | 30 | 48 | 48 | 60 | | | |
| 67 | 42 | 45 | 45 | 30 | 48 | 48 | 60 | | | |
| 66 | 42 | 45 | 45 | 30 | 48 | 48 | 59 | | | |
| 65 | 41 | 44 | 45 | 30 | 47 | 47 | 58 | | | |
| 64 | 41 | 44 | 45 | 29 | 46 | 46 | 57 | | | |
| 63 | 41 | 44 | 44 | 29 | 46 | 46 | 56 | | | |
| 62 | 40 | 43 | 44 | 29 | 45 | 45 | 55 | | | |
| 61 | 40 | 43 | 44 | 28 | 44 | 44 | 54 | | | |
| 60 | 39 | 42 | 44 | 28 | 43 | 43 | 53 | | | |
| 59 | 38 | 42 | 43 | 28 | 43 | 43 | 52 | | | |
| 58 | 38 | 41 | 43 | 27 | 42 | 42 | 51 | | | |
| 57 | 37 | 41 | 42 | 27 | 41 | 41 | 50 | | | |
| 56 | 36 | 40 | 42 | 26 | 40 | 40 | 49 | | | |
| 55 | 35 | 39 | 42 | 26 | 39 | 39 | 48 | | | |
| 54 | 35 | 39 | 41 | 25 | 38 | 38 | 47 | | | |
| 53 | 34 | 38 | 41 | 25 | 37 | 37 | 46 | | | |
| 52 | 33 | 38 | 40 | 24 | 37 | 37 | 45 | | | |
| 51 | 33 | 37 | 40 | 24 | 36 | 36 | 44 | | | |
| 50 | 32 | 37 | 40 | 23 | 35 | 35 | 43 | | | |
| 49 | 32 | 36 | 39 | 22 | 34 | 34 | 42 | | | |
| 48 | 31 | 36 | 39 | 22 | 33 | 33 | 41 | | | |
| 47 | 30 | 35 | 38 | 21 | 32 | 32 | 40 | | | |
| 46 | 30 | 34 | 38 | 21 | 31 | 31 | 40 | | | |
| 45 | 29 | 34 | 37 | 20 | 30 | 30 | 39 | | | |
| 44 | 29 | 33 | 37 | 20 | 30 | 30 | 38 | | | |
| 43 | 28 | 33 | 36 | 19 | 29 | 29 | 37 | | | |
| 42 | 27 | 32 | 35 | 19 | 28 | 28 | 36 | | | |
| 41 | 27 | 31 | 35 | 18 | 27 | 27 | 35 | | | |
| 40 | 26 | 31 | 34 | 18 | 26 | 26 | 34 | | | |
| 39 | 26 | 30 | 33 | 17 | 26 | 26 | 34 | | | |
| 38 | 25 | 29 | 33 | 17 | 25 | 25 | 33 | | | |
| 37 | 25 | 29 | 32 | 16 | 24 | 24 | 32 | | | |
| 36 | 24 | 28 | 32 | 16 | 23 | 23 | 31 | | | |
| 35 | 24 | 27 | 31 | 15 | 23 | 23 | 31 | | | |
| 34 | 24 | 27 | 30 | 15 | 22 | 22 | 30 | | | |
| 33 | 23 | 26 | 30 | 14 | 22 | 22 | 29 | | | |
| 32 | 23 | 25 | 29 | 14 | 21 | 21 | 28 | | | |
| 31 | 22 | 24 | 28 | 14 | 21 | 21 | 27 | | | |
| 30 | 22 | 24 | 27 | 13 | 20 | 20 | 27 | | | |
| 29 | 21 | 23 | 26 | 13 | 20 | 20 | 26 | | | |
| 28 | 21 | 22 | 26 | 12 | 19 | 19 | 25 | | | |



IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTRS (68 ED.) LEVEL 2 FORM C COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE 1 FORM M PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 27 | 20 | 21 | 25 | 12 | 19 | 24 |
| 26 | 20 | 21 | 24 | 12 | 18 | 24 |
| 25 | 19 | 20 | 23 | 11 | 18 | 23 |
| 24 | 19 | 19 | 22 | 11 | 17 | 22 |
| 23 | 18 | 18 | 22 | 11 | 17 | 21 |
| 22 | 18 | 17 | 21 | 10 | 16 | 21 |
| 21 | 17 | 16 | 20 | 10 | 15 | 20 |
| 20 | 16 | 16 | 18 | 9 | 15 | 19 |
| 19 | 15 | 14 | 17 | 9 | 14 | 17 |
| 18 | 14 | 14 | 16 | 8 | 13 | 17 |
| 17 | 13 | 13 | 14 | 8 | 12 | 16 |
| 16 | 12 | 12 | 13 | 7 | 12 | 15 |
| 15 | 11 | 11 | 12 | 6 | 11 | 14 |
| 14 | 10 | 10 | 11 | 6 | 10 | 12 |
| 13 | 9 | 9 | 10 | 5 | 9 | 11 |
| 12 | 8 | 8 | 9 | 4 | 8 | 10 |
| 11 | 8 | 8 | 8 | 4 | 7 | 9 |
| 10 | 7 | 7 | 7 | 3 | 7 | 8 |
| 9 | 6 | 6 | 7 | 3 | 6 | 7 |
| 8 | 6 | 6 | 6 | 3 | 5 | 6 |
| 7 | 5 | 5 | 5 | 2 | 5 | 5 |
| 6 | 4 | 4 | 4 | 2 | 4 | 4 |
| 5 | 4 | 4 | 4 | 2 | 3 | 4 |
| 4 | 3 | 3 | 3 | 1 | 3 | 3 |
| 3 | 2 | 2 | 2 | 1 | 2 | 2 |
| 2 | 1 | 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 95. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 3, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTRS (68 ED.) LEVEL 2 FORM J COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | STEP 11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 45 | 42 | 45 | 65 | 30 | 47 | 59 |
| 44 | 40 | 43 | 61 | 28 | 44 | 55 |
| 43 | 38 | 42 | 59 | 27 | 42 | 52 |
| 42 | 36 | 40 | 56 | 26 | 40 | 50 |
| 41 | 34 | 39 | 54 | 25 | 38 | 47 |
| 40 | 33 | 37 | 51 | 24 | 36 | 45 |
| 39 | 32 | 36 | 49 | 22 | 34 | 43 |
| 38 | 30 | 35 | 47 | 21 | 32 | 40 |
| 37 | 29 | 34 | 45 | 20 | 30 | 39 |
| 35 | 28 | 33 | 43 | 19 | 29 | 37 |
| 34 | 26 | 32 | 42 | 18 | 27 | 36 |
| 33 | 25 | 31 | 40 | 17 | 26 | 34 |
| 32 | 24 | 29 | 38 | 17 | 25 | 33 |
| 31 | 23 | 28 | 37 | 16 | 24 | 32 |
| 30 | 22 | 27 | 35 | 15 | 23 | 31 |
| 29 | 21 | 26 | 34 | 15 | 22 | 30 |
| 28 | 20 | 25 | 32 | 14 | 21 | 28 |
| 27 | 19 | 24 | 31 | 14 | 21 | 28 |
| 26 | 18 | 23 | 30 | 13 | 20 | 27 |
| 25 | 17 | 22 | 28 | 13 | 19 | 26 |
| 24 | 16 | 21 | 27 | 12 | 19 | 25 |
| 23 | 15 | 20 | 26 | 12 | 18 | 24 |
| 22 | 14 | 19 | 25 | 11 | 18 | 23 |
| 21 | 13 | 18 | 24 | 11 | 17 | 22 |
| 20 | 12 | 17 | 23 | 10 | 16 | 21 |
| 19 | 11 | 16 | 21 | 10 | 15 | 20 |
| 18 | 10 | 15 | 20 | 10 | 15 | 19 |
| 17 | 9 | 14 | 19 | 9 | 14 | 18 |
| 16 | 8 | 13 | 18 | 8 | 13 | 17 |
| 15 | 7 | 12 | 17 | 8 | 12 | 16 |
| 14 | 6 | 11 | 16 | 7 | 12 | 15 |
| 13 | 5 | 10 | 15 | 7 | 11 | 14 |
| 12 | 4 | 9 | 14 | 6 | 11 | 14 |
| 11 | 3 | 8 | 13 | 6 | 10 | 12 |
| 10 | 2 | 7 | 12 | 5 | 9 | 11 |
| 9 | 1 | 6 | 11 | 4 | 8 | 10 |
| 8 | 0 | 5 | 10 | 4 | 7 | 9 |
| 7 | 0 | 4 | 9 | 3 | 6 | 8 |
| 6 | 0 | 3 | 8 | 3 | 5 | 6 |
| 5 | 0 | 2 | 7 | 2 | 4 | 5 |

TABLE 95. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

PROCEDURE 3, EQUIPERCENTILE METHOD

| RAW SCORE | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM N PARAGRAPH MEANING |
|-----------|--|--|---|--|--|--|---|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | | 4 | 5 | 2 | 4 | | 4 |
| 3 | | 3 | 4 | 1 | 3 | | 3 |
| 2 | | 2 | 3 | 1 | 2 | | 2 |
| 1 | | 1 | 2 | 0 | 1 | | 1 |
| 0 | | 0 | 0 | 0 | 0 | | 0 |

ESSENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART 2 (COMPREHENSION)

PROCEDURE 3, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A | CAT (70 ED.) LEVEL 3 FORM A | CTRS (68 ED.) LEVEL 2 FORM C | ITRS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM B |
|---------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------|--|
| PART 2 (COMPR.) | COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 30 | 45 | 66 | 45 | 48 | 59 | |
| 29 | 44 | 63 | 44 | 46 | 56 | |
| 28 | 42 | 60 | 44 | 44 | 54 | |
| 27 | 41 | 58 | 43 | 42 | 51 | |
| 26 | 40 | 56 | 42 | 40 | 49 | |
| 25 | 39 | 54 | 41 | 38 | 47 | |
| 24 | 38 | 52 | 40 | 37 | 45 | |
| 23 | 37 | 50 | 40 | 35 | 43 | |
| 22 | 36 | 48 | 39 | 33 | 42 | |
| 21 | 35 | 47 | 38 | 32 | 40 | |
| 20 | 34 | 45 | 37 | 30 | 39 | |
| 19 | 32 | 43 | 36 | 29 | 37 | |
| 18 | 31 | 41 | 35 | 27 | 35 | |
| 17 | 30 | 39 | 33 | 25 | 34 | |
| 16 | 28 | 37 | 32 | 24 | 32 | |
| 15 | 27 | 34 | 31 | 22 | 30 | |
| 14 | 25 | 32 | 29 | 21 | 28 | |
| 13 | 23 | 30 | 27 | 20 | 26 | |
| 12 | 21 | 27 | 25 | 19 | 24 | |
| 11 | 19 | 24 | 22 | 17 | 22 | |
| 10 | 17 | 21 | 20 | 16 | 20 | |
| 9 | 15 | 20 | 18 | 14 | 18 | |
| 8 | 14 | 18 | 15 | 13 | 16 | |
| 7 | 12 | 16 | 13 | 12 | 15 | |
| 6 | 11 | 15 | 12 | 10 | 13 | |
| 5 | 9 | 13 | 10 | 9 | 11 | |
| 4 | 8 | 11 | 8 | 8 | 9 | |
| 3 | 7 | 9 | 7 | 6 | 7 | |
| 2 | 5 | 6 | 5 | 4 | 5 | |
| 1 | 3 | 4 | 3 | 2 | 3 | |
| 0 | 1 | 1 | 1 | 0 | 1 | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

PROCEDURE 3, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTRS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SAT (64 ED.) INTERMEDIATE 1 FORM M PARAGRAPH MEANING | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|--|---|--|--|--|---|------------------|------------------|------------------|------------------|------------------|
| 48 | 42 | 45 | 67 | 45 | 30 | 60 | | | | | |
| 47 | 42 | 45 | 65 | 45 | 30 | 58 | | | | | |
| 46 | 41 | 44 | 64 | 45 | 29 | 57 | | | | | |
| 45 | 40 | 43 | 62 | 44 | 29 | 56 | | | | | |
| 44 | 39 | 43 | 61 | 44 | 28 | 54 | | | | | |
| 43 | 39 | 42 | 60 | 43 | 28 | 53 | | | | | |
| 42 | 38 | 41 | 58 | 43 | 27 | 52 | | | | | |
| 41 | 37 | 41 | 57 | 42 | 27 | 50 | | | | | |
| 40 | 36 | 40 | 56 | 42 | 26 | 49 | | | | | |
| 39 | 35 | 39 | 55 | 42 | 25 | 48 | | | | | |
| 38 | 34 | 39 | 54 | 41 | 25 | 47 | | | | | |
| 37 | 34 | 38 | 53 | 41 | 24 | 46 | | | | | |
| 36 | 33 | 38 | 51 | 40 | 24 | 45 | | | | | |
| 35 | 32 | 37 | 50 | 40 | 23 | 44 | | | | | |
| 34 | 32 | 36 | 49 | 39 | 22 | 43 | | | | | |
| 33 | 31 | 36 | 48 | 39 | 22 | 41 | | | | | |
| 32 | 30 | 35 | 47 | 38 | 21 | 40 | | | | | |
| 31 | 30 | 34 | 46 | 37 | 20 | 39 | | | | | |
| 30 | 29 | 33 | 45 | 37 | 20 | 38 | | | | | |
| 29 | 28 | 33 | 43 | 36 | 19 | 37 | | | | | |
| 28 | 28 | 32 | 42 | 36 | 19 | 36 | | | | | |
| 27 | 27 | 31 | 41 | 35 | 18 | 35 | | | | | |
| 26 | 26 | 30 | 40 | 34 | 17 | 34 | | | | | |
| 25 | 26 | 30 | 38 | 33 | 17 | 33 | | | | | |
| 24 | 25 | 29 | 37 | 32 | 16 | 32 | | | | | |
| 23 | 24 | 28 | 35 | 31 | 15 | 31 | | | | | |
| 22 | 23 | 26 | 34 | 30 | 15 | 30 | | | | | |
| 21 | 23 | 25 | 32 | 29 | 14 | 28 | | | | | |
| 20 | 22 | 24 | 30 | 27 | 13 | 27 | | | | | |
| 19 | 21 | 22 | 28 | 26 | 12 | 25 | | | | | |
| 18 | 20 | 21 | 26 | 24 | 12 | 24 | | | | | |
| 17 | 19 | 19 | 24 | 22 | 11 | 22 | | | | | |
| 16 | 18 | 17 | 22 | 21 | 10 | 21 | | | | | |
| 15 | 16 | 16 | 21 | 19 | 10 | 19 | | | | | |
| 14 | 15 | 15 | 19 | 17 | 9 | 18 | | | | | |
| 13 | 14 | 14 | 18 | 16 | 8 | 17 | | | | | |
| 12 | 13 | 12 | 17 | 14 | 7 | 15 | | | | | |
| 11 | 12 | 11 | 15 | 13 | 7 | 14 | | | | | |
| 10 | 10 | 10 | 14 | 11 | 6 | 13 | | | | | |
| 9 | 9 | 9 | 13 | 10 | 5 | 11 | | | | | |
| 8 | 8 | 8 | 12 | 9 | 4 | 10 | | | | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR PARAGRAPH MEANING

PROCEDURE 3, EQUIPERCENTILE METHOD

| RAW SCORE | SAT (64 ED.) INTERMEDIATE I FORM W | | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|-----------|------------------------------------|---------------|-----------------------------|---------------|------------------------------|---------------|-------------------------------|---------------|--------------------------------|---------------|---------------------------------|---------------|--------------------------|---------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION |
| 60 | 42 | 45 | 67 | 67 | 45 | 45 | 30 | 30 | 45 | 45 | 30 | 30 | 48 | 48 |
| 59 | 42 | 45 | 66 | 66 | 45 | 45 | 30 | 30 | 45 | 45 | 30 | 30 | 48 | 48 |
| 58 | 41 | 44 | 65 | 65 | 44 | 44 | 29 | 29 | 44 | 44 | 29 | 29 | 47 | 47 |
| 57 | 41 | 44 | 64 | 64 | 44 | 44 | 29 | 29 | 44 | 44 | 29 | 29 | 46 | 46 |
| 56 | 40 | 43 | 63 | 63 | 43 | 43 | 29 | 29 | 44 | 44 | 29 | 29 | 45 | 45 |
| 55 | 40 | 43 | 62 | 62 | 43 | 43 | 28 | 28 | 44 | 44 | 29 | 29 | 45 | 45 |
| 54 | 39 | 42 | 61 | 61 | 42 | 42 | 28 | 28 | 44 | 44 | 28 | 28 | 44 | 44 |
| 53 | 39 | 42 | 60 | 60 | 42 | 42 | 28 | 28 | 43 | 43 | 28 | 28 | 43 | 43 |
| 52 | 38 | 41 | 59 | 59 | 41 | 41 | 27 | 27 | 43 | 43 | 27 | 27 | 42 | 42 |
| 51 | 37 | 41 | 58 | 58 | 41 | 41 | 27 | 27 | 43 | 43 | 27 | 27 | 41 | 41 |
| 50 | 37 | 40 | 57 | 57 | 40 | 40 | 26 | 26 | 42 | 42 | 26 | 26 | 41 | 41 |
| 49 | 36 | 40 | 56 | 56 | 40 | 40 | 26 | 26 | 42 | 42 | 26 | 26 | 40 | 40 |
| 48 | 35 | 39 | 55 | 55 | 39 | 39 | 25 | 25 | 41 | 41 | 25 | 25 | 39 | 39 |
| 47 | 34 | 39 | 54 | 54 | 39 | 39 | 25 | 25 | 41 | 41 | 25 | 25 | 38 | 38 |
| 46 | 34 | 38 | 53 | 53 | 38 | 38 | 24 | 24 | 41 | 41 | 24 | 24 | 37 | 37 |
| 45 | 33 | 38 | 52 | 52 | 38 | 38 | 24 | 24 | 40 | 40 | 24 | 24 | 36 | 36 |
| 44 | 33 | 37 | 51 | 51 | 37 | 37 | 23 | 23 | 40 | 40 | 23 | 23 | 35 | 35 |
| 43 | 32 | 37 | 50 | 50 | 37 | 37 | 23 | 23 | 39 | 39 | 23 | 23 | 34 | 34 |
| 42 | 31 | 36 | 49 | 49 | 36 | 36 | 22 | 22 | 39 | 39 | 22 | 22 | 34 | 34 |
| 41 | 31 | 35 | 48 | 48 | 35 | 35 | 22 | 22 | 38 | 38 | 22 | 22 | 33 | 33 |
| 40 | 30 | 35 | 47 | 47 | 35 | 35 | 21 | 21 | 38 | 38 | 21 | 21 | 32 | 32 |
| 39 | 29 | 34 | 45 | 45 | 34 | 34 | 20 | 20 | 37 | 37 | 20 | 20 | 31 | 31 |
| 38 | 29 | 33 | 44 | 44 | 33 | 33 | 20 | 20 | 37 | 37 | 20 | 20 | 30 | 30 |
| 37 | 28 | 33 | 43 | 43 | 33 | 33 | 19 | 19 | 36 | 36 | 19 | 19 | 29 | 29 |
| 36 | 27 | 32 | 42 | 42 | 32 | 32 | 18 | 18 | 35 | 35 | 18 | 18 | 28 | 28 |
| 35 | 27 | 31 | 41 | 41 | 31 | 31 | 18 | 18 | 35 | 35 | 18 | 18 | 27 | 27 |
| 34 | 26 | 30 | 39 | 39 | 30 | 30 | 17 | 17 | 34 | 34 | 17 | 17 | 26 | 26 |
| 33 | 25 | 29 | 38 | 38 | 29 | 29 | 17 | 17 | 33 | 33 | 17 | 17 | 25 | 25 |
| 32 | 25 | 29 | 37 | 37 | 29 | 29 | 16 | 16 | 32 | 32 | 16 | 16 | 24 | 24 |
| 31 | 24 | 28 | 36 | 36 | 28 | 28 | 16 | 16 | 31 | 31 | 16 | 16 | 23 | 23 |
| 30 | 24 | 27 | 34 | 34 | 27 | 27 | 15 | 15 | 31 | 31 | 15 | 15 | 22 | 22 |
| 29 | 23 | 26 | 33 | 33 | 26 | 26 | 15 | 15 | 30 | 30 | 15 | 15 | 22 | 22 |
| 28 | 23 | 25 | 32 | 32 | 25 | 25 | 14 | 14 | 29 | 29 | 14 | 14 | 21 | 21 |
| 27 | 22 | 24 | 30 | 30 | 24 | 24 | 13 | 13 | 28 | 28 | 13 | 13 | 20 | 20 |
| 26 | 21 | 23 | 29 | 29 | 23 | 23 | 13 | 13 | 27 | 27 | 13 | 13 | 20 | 20 |
| 25 | 21 | 22 | 28 | 28 | 22 | 22 | 12 | 12 | 26 | 26 | 12 | 12 | 19 | 19 |
| 24 | 20 | 21 | 27 | 27 | 21 | 21 | 12 | 12 | 26 | 26 | 12 | 12 | 18 | 18 |
| 23 | 19 | 20 | 25 | 25 | 20 | 20 | 11 | 11 | 25 | 25 | 11 | 11 | 18 | 18 |
| 22 | 19 | 19 | 24 | 24 | 19 | 19 | 11 | 11 | 22 | 22 | 11 | 11 | 17 | 17 |
| 21 | 18 | 18 | 23 | 23 | 18 | 18 | 11 | 11 | 21 | 21 | 11 | 11 | 16 | 16 |
| 20 | 17 | 17 | 21 | 21 | 17 | 17 | 10 | 10 | 20 | 20 | 10 | 10 | 16 | 16 |

TABLE 99. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|--|---|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 42 | 50 | 67 | 54 | 30 | 47 | 59 |
| 41 | 49 | 65 | 53 | 30 | 45 | 57 |
| 40 | 48 | 64 | 51 | 29 | 44 | 56 |
| 39 | 46 | 62 | 50 | 28 | 43 | 54 |
| 38 | 45 | 60 | 49 | 27 | 42 | 53 |
| 37 | 44 | 59 | 47 | 26 | 41 | 51 |
| 36 | 43 | 57 | 46 | 26 | 40 | 50 |
| 35 | 41 | 55 | 45 | 25 | 38 | 48 |
| 34 | 40 | 53 | 43 | 24 | 37 | 47 |
| 33 | 39 | 52 | 42 | 23 | 36 | 45 |
| 32 | 37 | 50 | 41 | 22 | 35 | 44 |
| 31 | 36 | 48 | 40 | 22 | 34 | 42 |
| 30 | 35 | 46 | 38 | 21 | 33 | 41 |
| 29 | 34 | 45 | 37 | 20 | 31 | 40 |
| 28 | 33 | 43 | 36 | 19 | 30 | 38 |
| 27 | 31 | 41 | 34 | 18 | 29 | 37 |
| 26 | 30 | 40 | 33 | 18 | 28 | 35 |
| 25 | 29 | 39 | 32 | 17 | 27 | 34 |
| 24 | 28 | 36 | 30 | 16 | 26 | 32 |
| 23 | 26 | 34 | 29 | 15 | 24 | 31 |
| 22 | 25 | 33 | 28 | 14 | 23 | 29 |
| 21 | 24 | 31 | 26 | 14 | 22 | 28 |
| 20 | 23 | 29 | 25 | 13 | 21 | 26 |
| 19 | 21 | 28 | 24 | 12 | 20 | 25 |
| 18 | 20 | 26 | 23 | 11 | 19 | 24 |
| 17 | 19 | 24 | 21 | 10 | 17 | 22 |
| 16 | 18 | 22 | 20 | 10 | 16 | 21 |
| 15 | 16 | 21 | 19 | 9 | 15 | 19 |
| 14 | 15 | 19 | 17 | 8 | 14 | 18 |
| 13 | 14 | 17 | 16 | 7 | 13 | 16 |
| 12 | 13 | 15 | 15 | 6 | 12 | 15 |
| 11 | 12 | 14 | 13 | 6 | 10 | 13 |
| 10 | 10 | 12 | 12 | 5 | 9 | 12 |
| 9 | 9 | 10 | 11 | 4 | 8 | 10 |
| 8 | 8 | 9 | 9 | 3 | 7 | 9 |
| 7 | 7 | 7 | 8 | 2 | 6 | 8 |
| 6 | 5 | 5 | 7 | 2 | 4 | 6 |
| 5 | 4 | 5 | 6 | 1 | 3 | 5 |
| 4 | 3 | 4 | 4 | 0 | 2 | 3 |
| 3 | 2 | 0 | 3 | - 1 | 1 | 2 |
| 2 | 0 | - 2 | 2 | - 2 | 0 | 0 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES AND 2, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|--|--|--|---|
|--|--|--|--|--|---|

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|
|-----------|------------------|------------------|------------------|------------------|------------------|

| | | | | | |
|---|-----|-----|-----|-----|-----|
| 1 | - 1 | 0 | - 2 | - 1 | - 1 |
| 0 | - 2 | - 1 | - 3 | - 2 | - 3 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| CTBS (69 ED.) LEVEL 2 FORM Q COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | IT95 (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|---|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 45 | 38 | 60 | 49 | 27 | 42 | 53 |
| 44 | 37 | 59 | 48 | 27 | 41 | 52 |
| 43 | 36 | 57 | 47 | 26 | 40 | 50 |
| 42 | 36 | 56 | 46 | 25 | 39 | 49 |
| 41 | 35 | 55 | 45 | 25 | 38 | 48 |
| 40 | 34 | 53 | 43 | 24 | 37 | 47 |
| 39 | 33 | 52 | 42 | 23 | 36 | 46 |
| 38 | 32 | 51 | 41 | 23 | 35 | 44 |
| 37 | 32 | 49 | 40 | 22 | 34 | 43 |
| 36 | 31 | 48 | 39 | 21 | 33 | 42 |
| 35 | 30 | 45 | 38 | 21 | 32 | 41 |
| 34 | 29 | 45 | 37 | 20 | 32 | 40 |
| 33 | 28 | 44 | 36 | 19 | 31 | 39 |
| 32 | 28 | 42 | 35 | 19 | 30 | 37 |
| 31 | 27 | 41 | 34 | 18 | 29 | 36 |
| 30 | 26 | 39 | 33 | 18 | 28 | 35 |
| 29 | 25 | 38 | 32 | 17 | 27 | 34 |
| 28 | 24 | 37 | 31 | 16 | 26 | 33 |
| 27 | 24 | 35 | 30 | 16 | 25 | 32 |
| 26 | 23 | 34 | 29 | 15 | 24 | 30 |
| 25 | 22 | 33 | 28 | 14 | 23 | 29 |
| 24 | 21 | 31 | 27 | 14 | 22 | 28 |
| 23 | 20 | 30 | 26 | 13 | 21 | 27 |
| 22 | 20 | 28 | 24 | 12 | 20 | 26 |
| 21 | 19 | 27 | 23 | 12 | 19 | 25 |
| 20 | 18 | 25 | 22 | 11 | 18 | 23 |
| 19 | 17 | 24 | 21 | 10 | 17 | 22 |
| 18 | 16 | 23 | 20 | 10 | 16 | 21 |
| 17 | 16 | 21 | 19 | 9 | 16 | 20 |
| 16 | 15 | 20 | 18 | 9 | 15 | 19 |
| 15 | 14 | 19 | 17 | 8 | 14 | 17 |
| 14 | 13 | 17 | 16 | 7 | 13 | 16 |
| 13 | 12 | 16 | 15 | 7 | 12 | 15 |
| 12 | 12 | 14 | 14 | 6 | 11 | 14 |
| 11 | 11 | 13 | 13 | 5 | 10 | 13 |
| 10 | 10 | 12 | 12 | 5 | 9 | 12 |
| 9 | 9 | 10 | 11 | 4 | 8 | 10 |
| 8 | 8 | 9 | 10 | 3 | 7 | 9 |
| 7 | 7 | 8 | 9 | 3 | 6 | 8 |
| 6 | 6 | 6 | 8 | 2 | 5 | 7 |
| 5 | 5 | 5 | 7 | 1 | 4 | 6 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| CTRS (69 ED.) LEVEL 2 FORM C COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE 1 FORM W PARAGRAPH MEANING |
|---|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 5 | 3 | 6 | 1 | 3 | 5 |
| 3 | 4 | 2 | 4 | 0 | 2 | 3 |
| 2 | 3 | 1 | 3 | 0 | 1 | 2 |
| 1 | 2 | - 1 | 2 | - 1 | 0 | 1 |
| 0 | 1 | - 2 | 1 | - 2 | 0 | 0 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM G COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 68 | 43 | 51 | 55 | 31 | 47 | 59 |
| 67 | 42 | 50 | 54 | 30 | 47 | 58 |
| 66 | 41 | 49 | 53 | 30 | 46 | 58 |
| 65 | 41 | 49 | 52 | 29 | 46 | 57 |
| 64 | 40 | 48 | 52 | 29 | 44 | 56 |
| 63 | 40 | 47 | 51 | 29 | 44 | 55 |
| 62 | 39 | 46 | 50 | 28 | 43 | 55 |
| 61 | 39 | 46 | 49 | 28 | 42 | 53 |
| 60 | 38 | 45 | 49 | 27 | 42 | 53 |
| 59 | 37 | 44 | 48 | 27 | 41 | 52 |
| 58 | 37 | 44 | 47 | 26 | 40 | 51 |
| 57 | 36 | 43 | 46 | 26 | 40 | 50 |
| 56 | 36 | 42 | 46 | 25 | 39 | 49 |
| 55 | 35 | 41 | 45 | 25 | 38 | 48 |
| 54 | 34 | 41 | 44 | 24 | 38 | 47 |
| 53 | 34 | 40 | 43 | 24 | 37 | 47 |
| 52 | 33 | 39 | 43 | 23 | 36 | 46 |
| 51 | 33 | 38 | 42 | 23 | 36 | 45 |
| 50 | 32 | 38 | 41 | 22 | 35 | 44 |
| 49 | 32 | 37 | 40 | 22 | 34 | 43 |
| 48 | 31 | 36 | 39 | 22 | 34 | 42 |
| 47 | 30 | 36 | 39 | 21 | 33 | 42 |
| 46 | 30 | 35 | 38 | 21 | 32 | 41 |
| 45 | 29 | 34 | 37 | 20 | 32 | 40 |
| 44 | 29 | 33 | 36 | 20 | 31 | 39 |
| 43 | 28 | 33 | 36 | 19 | 30 | 36 |
| 42 | 28 | 32 | 35 | 19 | 30 | 37 |
| 41 | 27 | 31 | 34 | 18 | 29 | 36 |
| 40 | 26 | 31 | 33 | 18 | 28 | 36 |
| 39 | 26 | 30 | 33 | 17 | 28 | 35 |
| 38 | 25 | 29 | 32 | 17 | 27 | 34 |
| 37 | 25 | 28 | 31 | 16 | 26 | 33 |
| 36 | 24 | 28 | 30 | 16 | 25 | 32 |
| 35 | 23 | 27 | 30 | 15 | 25 | 31 |
| 34 | 23 | 26 | 29 | 15 | 24 | 31 |
| 33 | 22 | 25 | 28 | 15 | 23 | 30 |
| 32 | 22 | 25 | 27 | 14 | 23 | 29 |
| 31 | 21 | 24 | 27 | 14 | 22 | 28 |
| 30 | 21 | 23 | 26 | 13 | 21 | 27 |
| 29 | 20 | 23 | 25 | 13 | 21 | 26 |
| 28 | 19 | 22 | 24 | 12 | 20 | 25 |

TOWA TEST OF BASIC SKILLS (TBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE 1 FORM M PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 27 | 19 | 21 | 24 | 12 | 19 | 25 |
| 26 | 18 | 20 | 23 | 11 | 19 | 24 |
| 25 | 18 | 20 | 22 | 11 | 18 | 23 |
| 24 | 17 | 19 | 21 | 10 | 17 | 22 |
| 23 | 17 | 19 | 20 | 10 | 17 | 21 |
| 22 | 15 | 18 | 20 | 9 | 16 | 20 |
| 21 | 15 | 17 | 19 | 9 | 15 | 20 |
| 20 | 15 | 16 | 18 | 9 | 15 | 19 |
| 19 | 14 | 15 | 17 | 8 | 14 | 18 |
| 18 | 14 | 15 | 17 | 8 | 13 | 17 |
| 17 | 13 | 14 | 16 | 7 | 13 | 16 |
| 16 | 12 | 13 | 15 | 7 | 12 | 15 |
| 15 | 12 | 12 | 14 | 6 | 11 | 14 |
| 14 | 11 | 12 | 14 | 6 | 11 | 14 |
| 13 | 11 | 11 | 13 | 5 | 10 | 13 |
| 12 | 10 | 10 | 12 | 5 | 9 | 12 |
| 11 | 10 | 10 | 11 | 4 | 9 | 11 |
| 10 | 9 | 9 | 11 | 4 | 8 | 10 |
| 9 | 8 | 8 | 10 | 3 | 7 | 9 |
| 8 | 7 | 7 | 9 | 3 | 6 | 8 |
| 7 | 7 | 7 | 8 | 2 | 6 | 8 |
| 6 | 6 | 6 | 8 | 2 | 5 | 7 |
| 5 | 5 | 5 | 7 | 2 | 4 | 6 |
| 4 | 5 | 5 | 6 | 1 | 4 | 5 |
| 3 | 4 | 4 | 5 | 1 | 3 | 4 |
| 2 | 4 | 3 | 5 | 0 | 2 | 3 |
| 1 | 4 | 2 | 4 | 0 | 2 | 3 |
| 0 | 3 | 2 | 3 | - 1 | 1 | 2 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTRS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 45 | 35 | 42 | 55 | 25 | 39 | 49 |
| 44 | 35 | 41 | 54 | 24 | 38 | 48 |
| 43 | 34 | 40 | 53 | 24 | 37 | 46 |
| 42 | 33 | 39 | 52 | 23 | 36 | 45 |
| 41 | 32 | 38 | 50 | 23 | 35 | 44 |
| 40 | 31 | 37 | 49 | 22 | 34 | 43 |
| 39 | 31 | 36 | 48 | 21 | 33 | 42 |
| 38 | 30 | 35 | 46 | 21 | 32 | 41 |
| 37 | 29 | 34 | 45 | 20 | 32 | 40 |
| 36 | 28 | 33 | 44 | 19 | 31 | 39 |
| 35 | 28 | 32 | 42 | 19 | 30 | 37 |
| 34 | 27 | 31 | 41 | 18 | 29 | 36 |
| 33 | 26 | 30 | 40 | 18 | 28 | 35 |
| 32 | 25 | 29 | 38 | 17 | 27 | 34 |
| 31 | 25 | 28 | 37 | 16 | 26 | 33 |
| 30 | 24 | 27 | 36 | 16 | 25 | 32 |
| 29 | 23 | 26 | 34 | 15 | 24 | 31 |
| 28 | 22 | 25 | 33 | 15 | 23 | 30 |
| 27 | 22 | 25 | 32 | 14 | 23 | 29 |
| 26 | 21 | 24 | 30 | 13 | 22 | 27 |
| 25 | 20 | 23 | 29 | 13 | 21 | 26 |
| 24 | 19 | 22 | 28 | 12 | 20 | 25 |
| 23 | 18 | 21 | 26 | 12 | 19 | 24 |
| 22 | 18 | 20 | 25 | 11 | 18 | 23 |
| 21 | 17 | 19 | 24 | 10 | 17 | 22 |
| 20 | 16 | 18 | 23 | 10 | 16 | 21 |
| 19 | 15 | 17 | 21 | 9 | 15 | 20 |
| 18 | 15 | 16 | 20 | 8 | 15 | 19 |
| 17 | 14 | 15 | 19 | 8 | 14 | 17 |
| 16 | 13 | 14 | 17 | 7 | 13 | 16 |
| 15 | 12 | 13 | 16 | 7 | 12 | 15 |
| 14 | 12 | 12 | 15 | 6 | 11 | 14 |
| 13 | 11 | 11 | 13 | 5 | 10 | 13 |
| 12 | 10 | 10 | 12 | 5 | 9 | 12 |
| 11 | 9 | 9 | 11 | 4 | 8 | 11 |
| 10 | 9 | 8 | 9 | 4 | 7 | 10 |
| 9 | 8 | 7 | 8 | 3 | 7 | 9 |
| 8 | 7 | 6 | 7 | 2 | 6 | 7 |
| 7 | 6 | 6 | 5 | 2 | 5 | 6 |
| 6 | 5 | 5 | 4 | 1 | 4 | 5 |
| 5 | 5 | 4 | 3 | 0 | 3 | 4 |

TABLE 102. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| | | | | | | |
|--------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------------------|--------------------------------|--|
| MAT (70 ED.) ELEMENTARY FORM F | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | STEP-11 (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
| READING (COMPR.) | COMPREHENSION | COMPREHENSION | COMPREHENSION | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 4 | 3 | 1 | 0 | 2 | 3 | |
| 3 | 2 | 0 | - 1 | 1 | 2 | |
| 2 | 1 | - 1 | - | 0 | 1 | |
| 1 | 0 | - 2 | - 2 | - 1 | 0 | |
| 0 | - 1 | - 4 | - 3 | - 2 | - 1 | |

PARTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR PART 2 (COMPREHENSION)

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 30 | 50 | 66 | 53 | 46 | 58 | |
| 29 | 48 | 64 | 52 | 45 | 56 | |
| 28 | 46 | 62 | 50 | 43 | 54 | |
| 27 | 45 | 60 | 48 | 42 | 52 | |
| 26 | 43 | 58 | 47 | 40 | 51 | |
| 25 | 42 | 56 | 45 | 39 | 49 | |
| 24 | 40 | 54 | 44 | 37 | 47 | |
| 23 | 39 | 51 | 42 | 36 | 45 | |
| 22 | 37 | 49 | 40 | 34 | 43 | |
| 21 | 36 | 47 | 39 | 33 | 42 | |
| 20 | 34 | 45 | 37 | 31 | 40 | |
| 19 | 32 | 43 | 35 | 30 | 38 | |
| 18 | 31 | 41 | 34 | 29 | 36 | |
| 17 | 29 | 38 | 32 | 27 | 34 | |
| 16 | 28 | 36 | 31 | 26 | 32 | |
| 15 | 26 | 34 | 29 | 24 | 31 | |
| 14 | 25 | 32 | 27 | 23 | 29 | |
| 13 | 23 | 30 | 26 | 21 | 27 | |
| 12 | 22 | 28 | 24 | 20 | 25 | |
| 11 | 20 | 26 | 22 | 18 | 23 | |
| 10 | 19 | 23 | 21 | 17 | 22 | |
| 9 | 17 | 21 | 19 | 15 | 20 | |
| 8 | 15 | 17 | 17 | 14 | 18 | |
| 7 | 14 | 17 | 16 | 13 | 16 | |
| 6 | 12 | 15 | 14 | 11 | 14 | |
| 5 | 11 | 13 | 13 | 10 | 12 | |
| 4 | 9 | 11 | 11 | 8 | 11 | |
| 3 | 8 | 8 | 9 | 7 | 9 | |
| 2 | 7 | 6 | 8 | 5 | 7 | |
| 1 | 5 | 4 | 6 | 4 | 5 | |
| 0 | 3 | 2 | 4 | 2 | 3 | |

A

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| SRA (71 ED.) BLUE FORM E | CAT (70 ED.) LEVEL 3 FORM A | CTRS (68 ED.) LEVEL 2 FORM C | ITRS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SAT (64 ED.) INTERMEDIATE I FORM M |
|--------------------------------|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--|
| READING (COMPR.) | COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 49 | 52 | 69 | 56 | 31 | 60 | |
| 47 | 51 | 68 | 54 | 31 | 59 | |
| 45 | 49 | 66 | 53 | 30 | 58 | |
| 45 | 48 | 65 | 52 | 29 | 57 | |
| 44 | 47 | 63 | 51 | 29 | 55 | |
| 43 | 46 | 62 | 50 | 28 | 54 | |
| 42 | 45 | 61 | 49 | 27 | 53 | |
| 41 | 44 | 59 | 48 | 27 | 52 | |
| 40 | 43 | 58 | 47 | 26 | 50 | |
| 39 | 42 | 56 | 46 | 25 | 49 | |
| 38 | 41 | 55 | 44 | 25 | 48 | |
| 37 | 40 | 53 | 43 | 24 | 47 | |
| 36 | 39 | 52 | 42 | 23 | 45 | |
| 35 | 38 | 50 | 41 | 23 | 44 | |
| 34 | 37 | 49 | 40 | 22 | 43 | |
| 33 | 36 | 47 | 39 | 21 | 42 | |
| 32 | 35 | 46 | 38 | 20 | 40 | |
| 31 | 34 | 44 | 37 | 20 | 39 | |
| 30 | 33 | 43 | 35 | 19 | 38 | |
| 29 | 32 | 41 | 34 | 18 | 37 | |
| 28 | 31 | 40 | 33 | 18 | 35 | |
| 27 | 29 | 38 | 32 | 17 | 34 | |
| 26 | 28 | 37 | 31 | 16 | 33 | |
| 25 | 27 | 35 | 30 | 16 | 32 | |
| 24 | 26 | 34 | 29 | 15 | 30 | |
| 23 | 25 | 33 | 28 | 14 | 29 | |
| 22 | 24 | 31 | 27 | 14 | 28 | |
| 21 | 23 | 30 | 25 | 13 | 27 | |
| 20 | 22 | 28 | 24 | 12 | 25 | |
| 19 | 21 | 27 | 23 | 12 | 24 | |
| 18 | 20 | 25 | 22 | 11 | 23 | |
| 17 | 19 | 24 | 21 | 10 | 22 | |
| 16 | 18 | 22 | 20 | 10 | 21 | |
| 15 | 17 | 21 | 19 | 9 | 19 | |
| 14 | 16 | 19 | 18 | 8 | 18 | |
| 13 | 14 | 18 | 16 | 7 | 17 | |
| 12 | 13 | 16 | 15 | 7 | 16 | |
| 11 | 12 | 15 | 14 | 6 | 14 | |
| 10 | 11 | 13 | 13 | 5 | 13 | |
| 9 | 10 | 12 | 12 | 5 | 12 | |
| 8 | 9 | 10 | 11 | 4 | 11 | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTRS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|-----------|--|---|--|--|--|---|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 7 | 8 | 8 | 9 | 10 | 3 | 9 |
| 6 | 7 | 7 | 7 | 9 | 3 | 8 |
| 5 | 7 | 6 | 6 | 7 | 2 | 7 |
| 4 | 6 | 5 | 5 | 6 | 1 | 6 |
| 3 | 5 | 4 | 3 | 5 | 1 | 4 |
| 2 | 4 | 3 | 2 | 4 | 0 | 3 |
| 1 | 3 | 2 | 0 | 3 | 1 | 2 |
| 0 | 2 | 1 | 1 | 2 | 1 | 1 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR PARAGRAPH MEANING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) |
|---|--|---|--|--|--|--|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 60 | 43 | 51 | 69 | 55 | 31 | 48 |
| 59 | 42 | 51 | 68 | 54 | 31 | 47 |
| 54 | 42 | 50 | 67 | 54 | 30 | 46 |
| 57 | 41 | 49 | 65 | 53 | 30 | 45 |
| 55 | 40 | 48 | 64 | 52 | 29 | 45 |
| 55 | 42 | 47 | 63 | 51 | 29 | 44 |
| 54 | 39 | 46 | 62 | 50 | 28 | 43 |
| 53 | 38 | 45 | 61 | 49 | 27 | 42 |
| 52 | 38 | 45 | 60 | 48 | 27 | 41 |
| 51 | 37 | 44 | 58 | 47 | 26 | 41 |
| 50 | 36 | 43 | 57 | 46 | 26 | 40 |
| 49 | 36 | 42 | 56 | 45 | 25 | 39 |
| 48 | 35 | 41 | 55 | 45 | 25 | 39 |
| 47 | 34 | 40 | 54 | 44 | 24 | 37 |
| 45 | 34 | 39 | 52 | 43 | 24 | 37 |
| 45 | 33 | 39 | 51 | 42 | 23 | 36 |
| 44 | 32 | 38 | 50 | 41 | 22 | 35 |
| 43 | 31 | 37 | 49 | 40 | 22 | 34 |
| 42 | 31 | 36 | 48 | 39 | 21 | 33 |
| 41 | 30 | 35 | 47 | 38 | 21 | 33 |
| 40 | 29 | 34 | 45 | 37 | 20 | 32 |
| 39 | 29 | 33 | 44 | 36 | 20 | 31 |
| 38 | 28 | 33 | 43 | 36 | 19 | 30 |
| 37 | 27 | 32 | 42 | 35 | 19 | 29 |
| 36 | 27 | 31 | 41 | 34 | 18 | 29 |
| 35 | 26 | 30 | 39 | 33 | 18 | 28 |
| 34 | 25 | 29 | 38 | 32 | 17 | 27 |
| 33 | 25 | 28 | 37 | 31 | 16 | 26 |
| 32 | 24 | 28 | 36 | 30 | 16 | 25 |
| 31 | 23 | 27 | 35 | 29 | 15 | 25 |
| 30 | 23 | 26 | 34 | 28 | 15 | 24 |
| 29 | 22 | 25 | 32 | 28 | 14 | 23 |
| 28 | 21 | 24 | 31 | 27 | 14 | 22 |
| 27 | 21 | 23 | 30 | 26 | 13 | 21 |
| 26 | 20 | 22 | 29 | 25 | 13 | 21 |
| 25 | 19 | 22 | 28 | 24 | 12 | 20 |
| 24 | 18 | 21 | 26 | 23 | 11 | 19 |
| 23 | 17 | 20 | 25 | 22 | 11 | 18 |
| 22 | 17 | 19 | 24 | 21 | 10 | 17 |
| 21 | 16 | 18 | 23 | 20 | 10 | 17 |
| 20 | 16 | 17 | 22 | 19 | 9 | 16 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTRS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 EO.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|---|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 42 | 45 | 66 | 45 | 30 | 48 | 59 |
| 41 | 44 | 64 | 44 | 29 | 46 | 57 |
| 40 | 43 | 62 | 44 | 29 | 45 | 55 |
| 39 | 42 | 61 | 44 | 28 | 44 | 54 |
| 38 | 42 | 59 | 43 | 27 | 43 | 53 |
| 37 | 41 | 58 | 43 | 27 | 42 | 51 |
| 36 | 40 | 57 | 42 | 26 | 41 | 50 |
| 35 | 40 | 55 | 42 | 25 | 40 | 49 |
| 34 | 39 | 54 | 41 | 25 | 38 | 47 |
| 33 | 39 | 52 | 40 | 24 | 37 | 46 |
| 32 | 37 | 51 | 40 | 23 | 36 | 44 |
| 31 | 36 | 49 | 39 | 22 | 35 | 43 |
| 30 | 35 | 47 | 38 | 21 | 33 | 41 |
| 29 | 35 | 46 | 38 | 20 | 32 | 40 |
| 28 | 34 | 44 | 37 | 19 | 31 | 38 |
| 27 | 33 | 42 | 36 | 18 | 29 | 37 |
| 26 | 31 | 41 | 35 | 18 | 28 | 36 |
| 25 | 30 | 39 | 34 | 17 | 26 | 34 |
| 24 | 29 | 36 | 32 | 16 | 25 | 32 |
| 23 | 27 | 34 | 31 | 15 | 23 | 31 |
| 22 | 26 | 32 | 29 | 14 | 22 | 29 |
| 21 | 24 | 30 | 28 | 13 | 21 | 27 |
| 20 | 23 | 28 | 26 | 12 | 20 | 26 |
| 19 | 21 | 26 | 24 | 11 | 19 | 24 |
| 18 | 20 | 24 | 23 | 11 | 18 | 23 |
| 17 | 18 | 22 | 21 | 10 | 17 | 21 |
| 16 | 17 | 21 | 20 | 10 | 16 | 20 |
| 15 | 14 | 20 | 18 | 9 | 15 | 19 |
| 14 | 15 | 19 | 17 | 8 | 14 | 18 |
| 13 | 13 | 18 | 15 | 8 | 13 | 16 |
| 12 | 12 | 16 | 14 | 7 | 12 | 15 |
| 11 | 11 | 15 | 12 | 6 | 11 | 14 |
| 10 | 10 | 14 | 11 | 6 | 10 | 13 |
| 9 | 9 | 13 | 10 | 5 | 9 | 11 |
| 8 | 8 | 12 | 9 | 4 | 8 | 10 |
| 7 | 7 | 10 | 7 | 3 | 7 | 9 |
| 6 | 6 | 9 | 6 | 3 | 6 | 7 |
| 5 | 5 | 7 | 5 | 2 | 5 | 5 |
| 4 | 4 | 6 | 4 | 2 | 4 | 4 |
| 3 | 3 | 4 | 3 | 1 | 3 | 3 |
| 2 | 2 | 3 | 2 | 1 | 2 | 2 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITRS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|--|--|--|---|
| EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 1 | 2 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 |

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|
| 1 | 2 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| CTBS (48 ED.) LEVEL 2 FORM C | CAT (70 ED.) LEVEL 3 FORM A | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| COMPREHENSION | COMPREHENSION | COMPREHENSION | READING (COMPR.) | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 45 | 42 | 66 | 45 | 30 | 48 | 59 |
| 44 | 41 | 64 | 45 | 29 | 46 | 57 |
| 43 | 40 | 62 | 44 | 29 | 45 | 55 |
| 42 | 39 | 60 | 43 | 28 | 43 | 53 |
| 41 | 37 | 58 | 43 | 27 | 42 | 51 |
| 40 | 36 | 56 | 42 | 26 | 40 | 49 |
| 39 | 34 | 54 | 41 | 25 | 39 | 48 |
| 38 | 33 | 52 | 40 | 24 | 37 | 46 |
| 37 | 32 | 50 | 40 | 23 | 36 | 44 |
| 36 | 31 | 48 | 39 | 22 | 34 | 42 |
| 35 | 30 | 47 | 38 | 21 | 33 | 41 |
| 34 | 29 | 45 | 37 | 20 | 31 | 39 |
| 33 | 28 | 43 | 36 | 19 | 30 | 38 |
| 32 | 27 | 42 | 35 | 18 | 29 | 36 |
| 31 | 26 | 40 | 34 | 17 | 27 | 35 |
| 30 | 25 | 38 | 33 | 16 | 26 | 34 |
| 29 | 24 | 37 | 32 | 16 | 25 | 33 |
| 28 | 24 | 35 | 31 | 15 | 24 | 31 |
| 27 | 23 | 34 | 31 | 14 | 23 | 30 |
| 26 | 22 | 32 | 29 | 14 | 22 | 29 |
| 25 | 22 | 31 | 28 | 13 | 21 | 28 |
| 24 | 21 | 30 | 27 | 13 | 21 | 27 |
| 23 | 20 | 29 | 26 | 12 | 20 | 26 |
| 22 | 20 | 27 | 25 | 12 | 19 | 25 |
| 21 | 19 | 26 | 24 | 11 | 19 | 24 |
| 20 | 18 | 24 | 23 | 11 | 18 | 23 |
| 19 | 18 | 23 | 22 | 11 | 17 | 22 |
| 18 | 17 | 22 | 21 | 10 | 17 | 21 |
| 17 | 16 | 21 | 20 | 10 | 16 | 20 |
| 16 | 15 | 20 | 19 | 9 | 15 | 19 |
| 15 | 15 | 19 | 17 | 9 | 14 | 18 |
| 14 | 14 | 18 | 16 | 8 | 14 | 17 |
| 13 | 13 | 17 | 15 | 7 | 13 | 16 |
| 12 | 12 | 16 | 13 | 7 | 12 | 15 |
| 11 | 11 | 15 | 12 | 6 | 11 | 14 |
| 10 | 10 | 14 | 11 | 5 | 10 | 12 |
| 9 | 9 | 13 | 10 | 5 | 9 | 11 |
| 8 | 8 | 11 | 8 | 4 | 8 | 10 |
| 7 | 7 | 10 | 7 | 3 | 7 | 8 |
| 6 | 6 | 8 | 6 | 3 | 6 | 7 |
| 5 | 5 | 7 | 5 | 2 | 5 | 5 |

TABLE 107. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE 1 FORM M PARAGRAPH MEANING |
|---|--|--|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 4 | 4 | 6 | 4 | 2 | 4 | 4 |
| 3 | 3 | 4 | 3 | 1 | 3 | 3 |
| 2 | 2 | 3 | 2 | 1 | 2 | 2 |
| 1 | 1 | 2 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTRS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 68 | 42 | 45 | 45 | 30 | 48 | 60 |
| 67 | 42 | 45 | 45 | 30 | 48 | 59 |
| 66 | 42 | 45 | 45 | 30 | 48 | 59 |
| 65 | 42 | 45 | 45 | 30 | 47 | 58 |
| 64 | 41 | 44 | 45 | 29 | 46 | 57 |
| 63 | 41 | 44 | 45 | 29 | 46 | 56 |
| 62 | 40 | 43 | 44 | 29 | 45 | 55 |
| 61 | 40 | 43 | 44 | 28 | 44 | 54 |
| 60 | 39 | 42 | 44 | 28 | 43 | 53 |
| 59 | 38 | 42 | 43 | 27 | 43 | 52 |
| 58 | 37 | 41 | 43 | 27 | 42 | 51 |
| 57 | 36 | 41 | 42 | 26 | 41 | 51 |
| 56 | 36 | 40 | 42 | 26 | 40 | 50 |
| 55 | 35 | 40 | 42 | 25 | 39 | 49 |
| 54 | 34 | 39 | 41 | 25 | 39 | 48 |
| 53 | 34 | 39 | 41 | 24 | 38 | 47 |
| 52 | 33 | 38 | 40 | 24 | 37 | 46 |
| 51 | 32 | 38 | 40 | 23 | 36 | 45 |
| 50 | 32 | 37 | 40 | 23 | 35 | 44 |
| 49 | 31 | 36 | 39 | 22 | 35 | 43 |
| 48 | 30 | 36 | 39 | 22 | 34 | 42 |
| 47 | 30 | 35 | 38 | 21 | 33 | 41 |
| 46 | 29 | 35 | 38 | 20 | 32 | 40 |
| 45 | 29 | 34 | 37 | 20 | 31 | 39 |
| 44 | 28 | 34 | 37 | 19 | 31 | 38 |
| 43 | 27 | 33 | 36 | 19 | 30 | 38 |
| 42 | 27 | 32 | 36 | 18 | 29 | 37 |
| 41 | 26 | 32 | 35 | 18 | 28 | 36 |
| 40 | 26 | 31 | 34 | 17 | 27 | 35 |
| 39 | 25 | 30 | 34 | 17 | 27 | 34 |
| 38 | 25 | 30 | 33 | 16 | 26 | 34 |
| 37 | 24 | 29 | 33 | 16 | 25 | 33 |
| 36 | 24 | 29 | 32 | 15 | 25 | 32 |
| 35 | 24 | 28 | 31 | 15 | 24 | 31 |
| 34 | 23 | 27 | 31 | 15 | 23 | 30 |
| 33 | 23 | 27 | 30 | 14 | 23 | 30 |
| 32 | 22 | 26 | 29 | 14 | 22 | 29 |
| 31 | 22 | 25 | 29 | 13 | 21 | 28 |
| 30 | 21 | 24 | 28 | 13 | 21 | 27 |
| 29 | 21 | 24 | 27 | 13 | 20 | 27 |
| 28 | 20 | 23 | 26 | 12 | 20 | 26 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|--|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 27 | 20 | 22 | 25 | 12 | 19 | 25 |
| 26 | 19 | 21 | 25 | 12 | 19 | 24 |
| 25 | 19 | 21 | 24 | 11 | 18 | 24 |
| 24 | 18 | 20 | 23 | 11 | 18 | 23 |
| 23 | 18 | 19 | 22 | 11 | 17 | 22 |
| 22 | 17 | 18 | 21 | 10 | 17 | 21 |
| 21 | 16 | 17 | 20 | 10 | 16 | 20 |
| 20 | 15 | 16 | 19 | 9 | 15 | 19 |
| 19 | 14 | 15 | 17 | 9 | 14 | 18 |
| 18 | 14 | 14 | 16 | 8 | 14 | 17 |
| 17 | 13 | 13 | 15 | 7 | 13 | 16 |
| 16 | 12 | 12 | 13 | 7 | 12 | 15 |
| 15 | 11 | 11 | 12 | 6 | 11 | 14 |
| 14 | 10 | 10 | 11 | 6 | 10 | 13 |
| 13 | 9 | 9 | 10 | 5 | 9 | 11 |
| 12 | 8 | 8 | 9 | 4 | 8 | 10 |
| 11 | 8 | 8 | 8 | 4 | 8 | 9 |
| 10 | 7 | 7 | 7 | 3 | 7 | 8 |
| 9 | 6 | 6 | 6 | 3 | 6 | 7 |
| 8 | 6 | 6 | 6 | 3 | 6 | 6 |
| 7 | 5 | 5 | 5 | 2 | 5 | 5 |
| 6 | 4 | 4 | 4 | 2 | 4 | 5 |
| 5 | 4 | 4 | 4 | 2 | 4 | 4 |
| 4 | 3 | 3 | 3 | 1 | 3 | 3 |
| 3 | 2 | 2 | 2 | 1 | 2 | 2 |
| 2 | 1 | 1 | 1 | 0 | 2 | 1 |
| 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 109. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | STEP-11 (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|--------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------------------|--------------------------------|--|
| READING (COMPR.) | COMPREHENSION | COMPREHENSION | COMPREHENSION | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 45 | 42 | 45 | 65 | 30 | 47 | 58 |
| 44 | 40 | 43 | 61 | 28 | 44 | 55 |
| 43 | 38 | 42 | 59 | 27 | 43 | 52 |
| 42 | 36 | 40 | 56 | 26 | 41 | 50 |
| 41 | 34 | 39 | 54 | 25 | 38 | 47 |
| 40 | 32 | 38 | 51 | 23 | 36 | 45 |
| 39 | 31 | 36 | 49 | 22 | 34 | 43 |
| 38 | 30 | 35 | 47 | 21 | 33 | 41 |
| 37 | 28 | 34 | 45 | 20 | 31 | 39 |
| 36 | 27 | 33 | 43 | 19 | 30 | 37 |
| 35 | 26 | 32 | 41 | 18 | 28 | 36 |
| 34 | 25 | 31 | 40 | 17 | 27 | 35 |
| 33 | 25 | 30 | 38 | 16 | 26 | 33 |
| 32 | 24 | 29 | 36 | 15 | 25 | 32 |
| 31 | 23 | 28 | 35 | 15 | 24 | 31 |
| 30 | 23 | 27 | 33 | 14 | 23 | 30 |
| 29 | 22 | 26 | 32 | 14 | 22 | 29 |
| 28 | 21 | 25 | 30 | 13 | 21 | 28 |
| 27 | 21 | 24 | 29 | 13 | 20 | 27 |
| 26 | 20 | 23 | 28 | 12 | 20 | 26 |
| 25 | 20 | 22 | 27 | 12 | 19 | 25 |
| 24 | 19 | 21 | 26 | 11 | 19 | 24 |
| 23 | 18 | 20 | 24 | 11 | 18 | 23 |
| 22 | 18 | 19 | 23 | 11 | 17 | 22 |
| 21 | 17 | 18 | 22 | 10 | 17 | 21 |
| 20 | 16 | 17 | 21 | 10 | 16 | 20 |
| 19 | 16 | 16 | 20 | 9 | 15 | 20 |
| 18 | 15 | 16 | 20 | 9 | 15 | 19 |
| 17 | 14 | 15 | 19 | 8 | 14 | 18 |
| 16 | 14 | 14 | 18 | 8 | 14 | 17 |
| 15 | 13 | 13 | 17 | 8 | 13 | 16 |
| 14 | 12 | 13 | 17 | 7 | 12 | 15 |
| 13 | 12 | 12 | 16 | 7 | 12 | 15 |
| 12 | 11 | 11 | 15 | 6 | 11 | 14 |
| 11 | 10 | 10 | 14 | 6 | 10 | 13 |
| 10 | 9 | 10 | 13 | 5 | 9 | 12 |
| 9 | 8 | 9 | 12 | 4 | 9 | 11 |
| 8 | 8 | 8 | 11 | 4 | 8 | 9 |
| 7 | 7 | 7 | 10 | 3 | 7 | 8 |
| 6 | 6 | 6 | 9 | 3 | 6 | 7 |
| 5 | 5 | 5 | 7 | 2 | 5 | 5 |

TABLE 109. ANCHOR TEST LOCATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR READING (COMPREHENSION)

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| | | | | | | |
|--|--|---|--|--|--|---|
| MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | STEP-11 (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SRA (71 ED.) BLUE FORM E READING (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|--|--|---|--|--|--|---|

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 4 | 4 | 6 | 2 | 4 | 4 | 4 |
| 3 | 3 | 4 | 1 | 3 | 3 | 3 |
| 2 | 2 | 3 | 1 | 2 | 2 | 2 |
| 1 | 1 | 2 | 0 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 111. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| RAW SCORE | SRA (71 ED.) LEVEL 3 FORM A COMPREHENSION | CATS (68 ED.) LEVEL 2 FORM Q COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM S COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM M PARAGRAPH MEANING |
|-----------|--|---|--|--|--|---|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 48 | 42 | 45 | 66 | 45 | 30 | 59 |
| 47 | 42 | 45 | 65 | 45 | 30 | 58 |
| 46 | 41 | 44 | 64 | 45 | 29 | 57 |
| 45 | C | 43 | 62 | 44 | 29 | 56 |
| 44 | 39 | 43 | 61 | 44 | 28 | 54 |
| 43 | 38 | 42 | 60 | 43 | 28 | 53 |
| 42 | 37 | 41 | 58 | 43 | 27 | 52 |
| 41 | 36 | 41 | 57 | 42 | 26 | 50 |
| 40 | 35 | 40 | 56 | 42 | 26 | 49 |
| 39 | 35 | 39 | 55 | 41 | 25 | 48 |
| 38 | 34 | 39 | 53 | 41 | 24 | 47 |
| 37 | 33 | 38 | 52 | 40 | 24 | 46 |
| 36 | 32 | 37 | 51 | 40 | 23 | 45 |
| 35 | 31 | 37 | 50 | 39 | 22 | 43 |
| 34 | 31 | 36 | 48 | 39 | 22 | 42 |
| 33 | 30 | 35 | 47 | 38 | 21 | 41 |
| 32 | 29 | 35 | 46 | 38 | 20 | 40 |
| 31 | 28 | 34 | 45 | 37 | 20 | 39 |
| 30 | 28 | 33 | 43 | 36 | 19 | 38 |
| 29 | 27 | 32 | 42 | 36 | 18 | 37 |
| 28 | 26 | 32 | 41 | 35 | 18 | 36 |
| 27 | 26 | 31 | 40 | 34 | 17 | 35 |
| 26 | 25 | 30 | 38 | 33 | 16 | 34 |
| 25 | 24 | 29 | 37 | 32 | 16 | 33 |
| 24 | 24 | 28 | 35 | 31 | 15 | 31 |
| 23 | 23 | 27 | 34 | 31 | 14 | 30 |
| 22 | 22 | 26 | 32 | 29 | 14 | 29 |
| 21 | 21 | 25 | 30 | 28 | 13 | 28 |
| 20 | 20 | 23 | 28 | 26 | 12 | 26 |
| 19 | 19 | 22 | 26 | 25 | 12 | 25 |
| 18 | 18 | 20 | 24 | 23 | 11 | 23 |
| 17 | 18 | 19 | 23 | 22 | 10 | 22 |
| 16 | 16 | 17 | 21 | 20 | 10 | 20 |
| 15 | 15 | 16 | 20 | 18 | 9 | 19 |
| 14 | 14 | 15 | 19 | 17 | 8 | 18 |
| 13 | 13 | 13 | 17 | 15 | 8 | 16 |
| 12 | 12 | 12 | 16 | 14 | 7 | 15 |
| 11 | 11 | 11 | 15 | 12 | 6 | 14 |
| 10 | 10 | 10 | 14 | 11 | 5 | 13 |
| 9 | 9 | 9 | 13 | 10 | 5 | 11 |
| 8 | 8 | 8 | 12 | 9 | 4 | 10 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR READING COMPREHENSION

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| SRA (71 ED.) ALICE FORM E READING (COMPR.) | CAT (70 ED.) LEVEL 3 FORM A COMPREHENSION | CTBS (68 ED.) LEVEL 2 FORM C COMPREHENSION | ITBS (71 ED.) LEVEL 10 FORM 5 COMPREHENSION | MAT (70 ED.) ELEMENTARY FORM F READING (COMPR.) | STEP-II (69 ED.) LEVEL 4 FORM A PART 2 (COMPR.) | SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING |
|---|--|---|--|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 7 | 7 | 7 | 10 | 7 | 3 | 9 |
| 6 | 6 | 6 | 9 | 6 | 3 | 7 |
| 5 | 5 | 5 | 8 | 5 | 2 | 6 |
| 4 | 4 | 4 | 6 | 4 | 2 | 4 |
| 3 | 3 | 3 | 4 | 3 | 1 | 3 |
| 2 | 2 | 2 | 3 | 2 | 1 | 2 |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 112. ANCHOR TEST EQUATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR PARAGRAPH MEANING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W PARAGRAPH MEANING | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|---|-----------------------------------|---------------|------------------------------------|---------------|-------------------------------------|---------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | COMPREHENSION | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) | EQUIVALENT SCORE | READING (COMPR.) |
| 50 | 42 | 45 | 67 | 45 | 45 | 30 | 48 | | | | | |
| 59 | 42 | 45 | 67 | 45 | 45 | 30 | 48 | | | | | |
| 58 | 42 | 45 | 66 | 45 | 45 | 30 | 47 | | | | | |
| 57 | 41 | 44 | 64 | 45 | 45 | 29 | 46 | | | | | |
| 56 | 40 | 44 | 63 | 44 | 44 | 29 | 45 | | | | | |
| 55 | 40 | 43 | 62 | 44 | 44 | 29 | 45 | | | | | |
| 54 | 39 | 43 | 61 | 44 | 44 | 28 | 44 | | | | | |
| 53 | 38 | 42 | 60 | 43 | 43 | 28 | 43 | | | | | |
| 52 | 38 | 41 | 59 | 43 | 43 | 27 | 42 | | | | | |
| 51 | 37 | 41 | 58 | 43 | 43 | 27 | 42 | | | | | |
| 50 | 36 | 40 | 57 | 42 | 42 | 26 | 41 | | | | | |
| 49 | 35 | 40 | 56 | 42 | 42 | 26 | 40 | | | | | |
| 48 | 35 | 39 | 55 | 41 | 41 | 25 | 39 | | | | | |
| 47 | 34 | 39 | 54 | 41 | 41 | 25 | 38 | | | | | |
| 46 | 33 | 38 | 53 | 41 | 41 | 24 | 37 | | | | | |
| 45 | 33 | 38 | 51 | 40 | 40 | 23 | 36 | | | | | |
| 44 | 32 | 37 | 50 | 40 | 40 | 23 | 36 | | | | | |
| 43 | 31 | 37 | 49 | 39 | 39 | 22 | 35 | | | | | |
| 42 | 31 | 36 | 48 | 39 | 39 | 22 | 34 | | | | | |
| 41 | 30 | 35 | 47 | 38 | 38 | 21 | 33 | | | | | |
| 40 | 29 | 35 | 46 | 38 | 38 | 20 | 32 | | | | | |
| 39 | 29 | 34 | 45 | 37 | 37 | 20 | 31 | | | | | |
| 38 | 28 | 33 | 44 | 37 | 37 | 19 | 30 | | | | | |
| 37 | 27 | 33 | 43 | 36 | 36 | 18 | 29 | | | | | |
| 36 | 26 | 32 | 41 | 35 | 35 | 18 | 28 | | | | | |
| 35 | 26 | 31 | 40 | 34 | 34 | 17 | 27 | | | | | |
| 34 | 25 | 30 | 39 | 34 | 34 | 17 | 26 | | | | | |
| 33 | 24 | 29 | 37 | 33 | 33 | 16 | 25 | | | | | |
| 32 | 24 | 29 | 36 | 32 | 32 | 15 | 25 | | | | | |
| 31 | 23 | 28 | 35 | 31 | 31 | 15 | 24 | | | | | |
| 30 | 23 | 28 | 33 | 30 | 30 | 14 | 23 | | | | | |
| 29 | 22 | 26 | 32 | 29 | 29 | 14 | 22 | | | | | |
| 28 | 22 | 25 | 31 | 28 | 28 | 13 | 21 | | | | | |
| 27 | 21 | 24 | 30 | 27 | 27 | 13 | 21 | | | | | |
| 26 | 20 | 23 | 28 | 26 | 26 | 12 | 20 | | | | | |
| 25 | 20 | 22 | 27 | 25 | 25 | 12 | 19 | | | | | |
| 24 | 19 | 21 | 26 | 24 | 24 | 11 | 19 | | | | | |
| 23 | 18 | 20 | 24 | 23 | 23 | 11 | 18 | | | | | |
| 22 | 18 | 19 | 23 | 22 | 22 | 10 | 17 | | | | | |
| 21 | 17 | 18 | 22 | 21 | 21 | 10 | 17 | | | | | |
| 20 | 16 | 17 | 21 | 20 | 20 | 10 | 16 | | | | | |

LIST OF EQUATING TABLES AT GRADE 4

TOTAL READING

| <u>Methods</u> | <u>Tests</u> | <u>Table Numbers</u> |
|--|--------------|----------------------|
| Procedure 1: Linear Method | CAT | 113 |
| | CTBS | 114 |
| | ITBS | 115 |
| | MAT | 116 |
| | STEP II | 117 |
| | SRA | 118 |
| | SAT | 119 |
| Procedure 1: Equipercentile Method | CAT | 120 |
| | CTBS | 121 |
| | ITBS | 122 |
| | MAT | 123 |
| | STEP II | 124 |
| | SRA | 125 |
| | SAT | 126 |
| Procedure 2: Linear Method | CAT | 127 |
| | CTBS | 128 |
| | ITBS | 129 |
| | MAT | 130 |
| | STEP II | 131 |
| | SRA | 132 |
| | SAT | 133 |
| Procedure 2: Equipercentile Method | CAT | 134 |
| | CTBS | 135 |
| | ITBS | 136 |
| | MAT | 137 |
| | STEP II | 138 |
| | SRA | 139 |
| | SAT | 140 |
| Procedure 3: Linear Method | CAT | 141 |
| | CTBS | 142 |
| | ITBS | 143 |
| | MAT | 144 |
| | STEP II | 145 |
| | SRA | 146 |
| | SAT | 147 |
| Procedure 3: Equipercentile Method | CAT | 148 |
| | CTBS | 149 |
| | ITBS | 150 |
| | MAT | 151 |
| | STEP II | 152 |
| | SRA | 153 |
| | SAT | 154 |
| Average of Procedures 1 and 2 Linear Method | CAT | 155 |
| | CTBS | 156 |
| | ITBS | 157 |
| | MAT | 158 |
| | STEP II | 159 |
| | SRA | 160 |
| | SAT | 161 |
| Average of Procedures 1 and 2 Equipercentile Method | CAT | 162 |
| | CTBS | 163 |
| | ITBS | 164 |
| | MAT | 165 |
| | STEP II | 166 |
| | SRA | 167 |
| | SAT | 168 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM 0 | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE |
| 82 | 93 | 107 | 116 | 61 | 92 | 61 | 92 | 95 | 95 | | | | |
| 81 | 91 | 105 | 115 | 60 | 91 | 60 | 91 | 94 | 94 | | | | |
| 80 | 90 | 104 | 114 | 59 | 89 | 59 | 89 | 93 | 93 | | | | |
| 79 | 89 | 103 | 112 | 58 | 88 | 58 | 88 | 91 | 91 | | | | |
| 78 | 88 | 101 | 111 | 57 | 87 | 57 | 87 | 90 | 90 | | | | |
| 77 | 87 | 100 | 109 | 56 | 86 | 56 | 86 | 89 | 89 | | | | |
| 76 | 86 | 98 | 108 | 55 | 85 | 55 | 85 | 88 | 88 | | | | |
| 75 | 85 | 97 | 107 | 55 | 84 | 55 | 84 | 87 | 87 | | | | |
| 74 | 84 | 96 | 105 | 55 | 82 | 55 | 82 | 85 | 85 | | | | |
| 73 | 82 | 94 | 104 | 54 | 81 | 54 | 81 | 84 | 84 | | | | |
| 72 | 81 | 93 | 103 | 53 | 80 | 53 | 80 | 83 | 83 | | | | |
| 71 | 80 | 92 | 101 | 53 | 79 | 53 | 79 | 82 | 82 | | | | |
| 70 | 79 | 90 | 100 | 52 | 78 | 52 | 78 | 81 | 81 | | | | |
| 69 | 78 | 89 | 98 | 51 | 77 | 51 | 77 | 80 | 80 | | | | |
| 68 | 77 | 87 | 97 | 50 | 76 | 50 | 76 | 79 | 79 | | | | |
| 67 | 76 | 86 | 96 | 50 | 75 | 50 | 75 | 78 | 78 | | | | |
| 66 | 74 | 85 | 94 | 49 | 74 | 49 | 74 | 77 | 77 | | | | |
| 65 | 73 | 83 | 93 | 48 | 73 | 48 | 73 | 76 | 76 | | | | |
| 64 | 72 | 82 | 92 | 47 | 72 | 47 | 72 | 75 | 75 | | | | |
| 63 | 71 | 80 | 90 | 47 | 71 | 47 | 71 | 74 | 74 | | | | |
| 62 | 70 | 79 | 89 | 46 | 70 | 46 | 70 | 73 | 73 | | | | |
| 61 | 69 | 78 | 88 | 45 | 69 | 45 | 69 | 72 | 72 | | | | |
| 60 | 68 | 76 | 86 | 44 | 68 | 44 | 68 | 71 | 71 | | | | |
| 59 | 66 | 75 | 85 | 44 | 67 | 44 | 67 | 70 | 70 | | | | |
| 58 | 65 | 74 | 83 | 43 | 66 | 43 | 66 | 69 | 69 | | | | |
| 57 | 64 | 72 | 82 | 42 | 65 | 42 | 65 | 68 | 68 | | | | |
| 56 | 63 | 71 | 81 | 41 | 64 | 41 | 64 | 67 | 67 | | | | |
| 55 | 62 | 69 | 79 | 41 | 63 | 41 | 63 | 66 | 66 | | | | |
| 54 | 61 | 68 | 78 | 40 | 62 | 40 | 62 | 65 | 65 | | | | |
| 53 | 60 | 67 | 77 | 39 | 61 | 39 | 61 | 64 | 64 | | | | |
| 52 | 58 | 65 | 75 | 38 | 60 | 38 | 60 | 63 | 63 | | | | |
| 51 | 57 | 64 | 74 | 38 | 59 | 38 | 59 | 62 | 62 | | | | |
| 50 | 56 | 62 | 72 | 37 | 58 | 37 | 58 | 61 | 61 | | | | |
| 49 | 55 | 61 | 71 | 36 | 57 | 36 | 57 | 60 | 60 | | | | |
| 48 | 54 | 60 | 70 | 35 | 56 | 35 | 56 | 59 | 59 | | | | |
| 47 | 53 | 58 | 68 | 35 | 55 | 35 | 55 | 58 | 58 | | | | |
| 46 | 52 | 57 | 67 | 34 | 54 | 34 | 54 | 57 | 57 | | | | |
| 45 | 51 | 56 | 66 | 33 | 53 | 33 | 53 | 56 | 56 | | | | |
| 44 | 49 | 54 | 64 | 32 | 52 | 32 | 52 | 55 | 55 | | | | |
| 43 | 48 | 53 | 63 | 32 | 51 | 32 | 51 | 54 | 54 | | | | |
| 42 | 47 | 51 | 62 | 31 | 50 | 31 | 50 | 53 | 53 | | | | |
| | | | | | 49 | | 49 | 52 | 52 | | | | |
| | | | | | 48 | | 48 | 51 | 51 | | | | |
| | | | | | 47 | | 47 | 50 | 50 | | | | |
| | | | | | 46 | | 46 | 49 | 49 | | | | |
| | | | | | 45 | | 45 | 48 | 48 | | | | |
| | | | | | 44 | | 44 | 47 | 47 | | | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) REACTING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| RAW SCORE | CAT (170 ED.) LEVEL 3 FORM A | | CT9S (168 ED.) LEVEL 2 FORM Q | | IT9S (171 ED.) LEVEL 10 FORM 5 | | MAY (170 ED.) ELEMENTARY FORM F | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (171 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|---------------------------------------|------------------|---------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 41 | 50 | 60 | 30 | 43 | 46 | 56 | 27 | 41 | 28 | 40 | 42 | 46 | | |
| 40 | 49 | 59 | 29 | 42 | 45 | 55 | 26 | 40 | 27 | 38 | 41 | 44 | | |
| 39 | 47 | 57 | 29 | 41 | 44 | 54 | 25 | 39 | 26 | 37 | 40 | 43 | | |
| 38 | 46 | 56 | 28 | 40 | 43 | 53 | 25 | 38 | 25 | 36 | 39 | 42 | | |
| 37 | 45 | 55 | 27 | 39 | 42 | 52 | 25 | 37 | 25 | 35 | 38 | 41 | | |
| 36 | 43 | 53 | 26 | 38 | 41 | 51 | 24 | 36 | 24 | 34 | 37 | 40 | | |
| 35 | 42 | 52 | 25 | 37 | 40 | 50 | 24 | 35 | 24 | 33 | 36 | 39 | | |
| 34 | 40 | 50 | 24 | 36 | 39 | 49 | 24 | 34 | 24 | 32 | 35 | 38 | | |
| 33 | 38 | 48 | 24 | 35 | 38 | 48 | 23 | 33 | 24 | 31 | 34 | 37 | | |
| 32 | 36 | 46 | 23 | 34 | 36 | 46 | 23 | 32 | 23 | 30 | 33 | 36 | | |
| 31 | 35 | 45 | 22 | 33 | 35 | 45 | 22 | 31 | 22 | 29 | 32 | 35 | | |
| 30 | 33 | 44 | 21 | 32 | 33 | 44 | 21 | 30 | 21 | 28 | 31 | 34 | | |
| 29 | 32 | 42 | 21 | 31 | 32 | 42 | 21 | 29 | 21 | 27 | 30 | 33 | | |
| 28 | 31 | 41 | 20 | 30 | 31 | 41 | 20 | 28 | 20 | 26 | 29 | 32 | | |
| 27 | 29 | 40 | 19 | 29 | 29 | 40 | 19 | 27 | 19 | 25 | 28 | 31 | | |
| 26 | 28 | 38 | 18 | 28 | 28 | 38 | 18 | 26 | 18 | 24 | 27 | 30 | | |
| 25 | 27 | 37 | 18 | 27 | 27 | 37 | 18 | 25 | 17 | 23 | 26 | 29 | | |
| 24 | 25 | 36 | 17 | 26 | 26 | 36 | 17 | 24 | 17 | 22 | 25 | 28 | | |
| 23 | 24 | 34 | 16 | 25 | 25 | 34 | 16 | 23 | 16 | 21 | 24 | 27 | | |
| 22 | 23 | 33 | 15 | 24 | 24 | 33 | 15 | 22 | 15 | 20 | 23 | 26 | | |
| 21 | 22 | 31 | 15 | 23 | 23 | 31 | 15 | 21 | 15 | 19 | 22 | 25 | | |
| 20 | 21 | 30 | 14 | 22 | 22 | 30 | 14 | 20 | 14 | 18 | 21 | 24 | | |
| 19 | 20 | 29 | 13 | 21 | 21 | 29 | 13 | 19 | 13 | 17 | 20 | 23 | | |
| 18 | 18 | 27 | 12 | 20 | 20 | 27 | 12 | 18 | 12 | 16 | 19 | 22 | | |
| 17 | 17 | 26 | 12 | 19 | 19 | 26 | 12 | 17 | 12 | 15 | 18 | 21 | | |
| 16 | 16 | 25 | 11 | 18 | 18 | 25 | 11 | 16 | 11 | 14 | 17 | 20 | | |
| 15 | 15 | 24 | 11 | 17 | 17 | 24 | 11 | 15 | 11 | 13 | 16 | 19 | | |
| 14 | 14 | 23 | 10 | 16 | 16 | 23 | 10 | 14 | 10 | 12 | 15 | 18 | | |
| 13 | 13 | 22 | 9 | 15 | 15 | 22 | 9 | 13 | 9 | 11 | 14 | 17 | | |
| 12 | 12 | 21 | 9 | 14 | 14 | 21 | 9 | 12 | 9 | 10 | 13 | 16 | | |
| 11 | 11 | 20 | 8 | 13 | 13 | 20 | 8 | 11 | 8 | 9 | 12 | 15 | | |
| 10 | 10 | 19 | 7 | 12 | 12 | 19 | 7 | 10 | 7 | 8 | 11 | 14 | | |
| 9 | 9 | 18 | 6 | 11 | 11 | 18 | 6 | 9 | 6 | 7 | 10 | 13 | | |
| 8 | 8 | 17 | 6 | 10 | 10 | 17 | 6 | 8 | 6 | 6 | 9 | 12 | | |
| 7 | 7 | 16 | 5 | 9 | 9 | 16 | 5 | 7 | 5 | 5 | 8 | 11 | | |
| 6 | 6 | 15 | 4 | 8 | 8 | 15 | 4 | 6 | 4 | 4 | 7 | 10 | | |
| 5 | 5 | 14 | 3 | 7 | 7 | 14 | 3 | 5 | 3 | 3 | 6 | 9 | | |
| 4 | 4 | 12 | 2 | 6 | 6 | 12 | 2 | 4 | 2 | 2 | 5 | 8 | | |
| 3 | 3 | 11 | 1 | 5 | 5 | 11 | 1 | 3 | 1 | 1 | 4 | 7 | | |
| 2 | 2 | 10 | 1 | 4 | 4 | 10 | 1 | 2 | 1 | 1 | 3 | 6 | | |
| 1 | 1 | 9 | 0 | 3 | 3 | 9 | 0 | 1 | 0 | 0 | 2 | 5 | | |
| 0 | 0 | 8 | 0 | 2 | 2 | 8 | 0 | 0 | 0 | 0 | 1 | 4 | | |
| | | 7 | 0 | 1 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 3 | | |
| | | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | | |
| | | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| | | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |



TABLE 113. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|--|--|---|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 0 | - 1 | 4 | 0 | - 5 | - 4 |

TABLE 114. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1. LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 85 | 75 | 98 | 107 | 56 | 84 | 87 | | | | | | |
| 84 | 75 | 96 | 106 | 55 | 83 | 86 | | | | | | |
| 83 | 74 | 95 | 105 | 54 | 82 | 85 | | | | | | |
| 82 | 73 | 94 | 104 | 54 | 81 | 84 | | | | | | |
| 81 | 72 | 93 | 102 | 53 | 80 | 83 | | | | | | |
| 80 | 71 | 92 | 101 | 53 | 79 | 82 | | | | | | |
| 79 | 70 | 90 | 100 | 52 | 78 | 81 | | | | | | |
| 78 | 69 | 89 | 99 | 51 | 77 | 80 | | | | | | |
| 77 | 68 | 88 | 98 | 51 | 76 | 79 | | | | | | |
| 76 | 68 | 87 | 96 | 50 | 75 | 77 | | | | | | |
| 75 | 67 | 85 | 95 | 49 | 74 | 76 | | | | | | |
| 74 | 66 | 84 | 94 | 49 | 73 | 75 | | | | | | |
| 73 | 65 | 83 | 93 | 48 | 71 | 74 | | | | | | |
| 72 | 64 | 82 | 92 | 47 | 70 | 73 | | | | | | |
| 71 | 63 | 81 | 90 | 47 | 69 | 72 | | | | | | |
| 70 | 62 | 79 | 89 | 46 | 68 | 71 | | | | | | |
| 69 | 61 | 78 | 88 | 45 | 67 | 70 | | | | | | |
| 68 | 60 | 77 | 87 | 45 | 66 | 69 | | | | | | |
| 67 | 60 | 76 | 86 | 44 | 65 | 68 | | | | | | |
| 66 | 59 | 74 | 84 | 43 | 64 | 67 | | | | | | |
| 65 | 58 | 73 | 83 | 43 | 63 | 66 | | | | | | |
| 64 | 57 | 72 | 82 | 42 | 62 | 65 | | | | | | |
| 63 | 56 | 71 | 81 | 41 | 61 | 64 | | | | | | |
| 62 | 55 | 70 | 80 | 41 | 60 | 63 | | | | | | |
| 61 | 54 | 68 | 78 | 40 | 59 | 62 | | | | | | |
| 60 | 53 | 67 | 77 | 39 | 58 | 61 | | | | | | |
| 59 | 53 | 66 | 76 | 39 | 57 | 59 | | | | | | |
| 58 | 52 | 65 | 75 | 38 | 56 | 58 | | | | | | |
| 57 | 51 | 63 | 73 | 37 | 55 | 57 | | | | | | |
| 56 | 50 | 62 | 72 | 37 | 54 | 56 | | | | | | |
| 55 | 49 | 61 | 71 | 36 | 53 | 55 | | | | | | |
| 54 | 48 | 60 | 70 | 35 | 52 | 54 | | | | | | |
| 53 | 47 | 59 | 69 | 35 | 51 | 53 | | | | | | |
| 52 | 46 | 57 | 67 | 34 | 50 | 52 | | | | | | |
| 51 | 45 | 56 | 66 | 34 | 48 | 51 | | | | | | |
| 50 | 45 | 55 | 65 | 33 | 47 | 50 | | | | | | |
| 49 | 44 | 54 | 64 | 32 | 46 | 49 | | | | | | |
| 48 | 43 | 53 | 63 | 32 | 45 | 48 | | | | | | |
| 47 | 42 | 51 | 61 | 31 | 44 | 47 | | | | | | |
| 46 | 41 | 50 | 60 | 30 | 43 | 46 | | | | | | |
| 45 | 40 | 49 | 59 | 30 | 42 | 45 | | | | | | |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | ITBS (71 ED.) LEVEL 10 FORM 3 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 44 | 39 | 48 | 58 | 29 | 41 | 44 | | | | | | |
| 43 | 38 | 46 | 57 | 28 | 40 | 43 | | | | | | |
| 42 | 38 | 45 | 55 | 28 | 39 | 41 | | | | | | |
| 41 | 37 | 44 | 54 | 27 | 38 | 40 | | | | | | |
| 40 | 36 | 43 | 53 | 26 | 37 | 39 | | | | | | |
| 39 | 35 | 42 | 52 | 26 | 36 | 38 | | | | | | |
| 38 | 34 | 40 | 51 | 25 | 35 | 37 | | | | | | |
| 37 | 33 | 39 | 49 | 24 | 34 | 36 | | | | | | |
| 36 | 32 | 38 | 48 | 24 | 33 | 35 | | | | | | |
| 35 | 31 | 37 | 47 | 23 | 32 | 34 | | | | | | |
| 34 | 31 | 35 | 46 | 22 | 31 | 33 | | | | | | |
| 33 | 30 | 34 | 45 | 22 | 30 | 32 | | | | | | |
| 32 | 29 | 33 | 43 | 21 | 29 | 31 | | | | | | |
| 31 | 28 | 32 | 42 | 20 | 28 | 30 | | | | | | |
| 30 | 27 | 31 | 41 | 20 | 27 | 29 | | | | | | |
| 29 | 26 | 29 | 40 | 19 | 25 | 28 | | | | | | |
| 28 | 25 | 28 | 39 | 18 | 24 | 27 | | | | | | |
| 27 | 24 | 27 | 37 | 18 | 23 | 26 | | | | | | |
| 26 | 23 | 26 | 36 | 17 | 22 | 25 | | | | | | |
| 25 | 23 | 25 | 35 | 16 | 21 | 23 | | | | | | |
| 24 | 22 | 23 | 34 | 16 | 20 | 22 | | | | | | |
| 23 | 21 | 22 | 32 | 15 | 19 | 21 | | | | | | |
| 22 | 20 | 21 | 31 | 15 | 18 | 20 | | | | | | |
| 21 | 19 | 20 | 30 | 14 | 17 | 19 | | | | | | |
| 20 | 18 | 18 | 29 | 13 | 16 | 18 | | | | | | |
| 19 | 17 | 17 | 28 | 13 | 15 | 17 | | | | | | |
| 18 | 16 | 15 | 26 | 12 | 14 | 16 | | | | | | |
| 17 | 16 | 15 | 25 | 11 | 13 | 15 | | | | | | |
| 16 | 15 | 14 | 24 | 11 | 12 | 14 | | | | | | |
| 15 | 14 | 12 | 23 | 10 | 11 | 13 | | | | | | |
| 14 | 13 | 11 | 22 | 9 | 10 | 12 | | | | | | |
| 13 | 12 | 10 | 20 | 9 | 9 | 11 | | | | | | |
| 12 | 11 | 9 | 19 | 8 | 8 | 10 | | | | | | |
| 11 | 10 | 7 | 18 | 7 | 7 | 9 | | | | | | |
| 10 | 9 | 6 | 17 | 6 | 6 | 8 | | | | | | |
| 9 | 8 | 5 | 16 | 5 | 5 | 7 | | | | | | |
| 8 | 8 | 4 | 14 | 4 | 4 | 5 | | | | | | |
| 7 | 7 | 3 | 13 | 3 | 3 | 4 | | | | | | |
| 6 | 6 | 1 | 12 | 1 | 1 | 3 | | | | | | |
| 5 | 5 | 0 | 11 | 0 | 0 | 2 | | | | | | |
| 4 | 4 | - 1 | 10 | - 1 | - 1 | 1 | | | | | | |



TABLE 114. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| CTBS (68 ED.) LEVEL 2 FORM C | CAT (70 ED.) LEVEL 3 FORM A | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 3 | - 2 | 8 | 2 | - 2 | 0 | |
| 2 | - 4 | 7 | 1 | - 3 | - 1 | |
| 1 | - 5 | 6 | 1 | - 4 | - 2 | |
| 0 | - 6 | 5 | 0 | - 5 | - 3 | |

TABLE 115. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-------------------------------------|-----------------------------------|------------------|------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 106 | 92 | 116 | 116 | 60 | 91 | 94 | | | | | | |
| 105 | 91 | 115 | 115 | 60 | 90 | 93 | | | | | | |
| 104 | 90 | 114 | 114 | 59 | 90 | 93 | | | | | | |
| 103 | 79 | 90 | 113 | 59 | 89 | 92 | | | | | | |
| 102 | 79 | 89 | 112 | 58 | 88 | 91 | | | | | | |
| 101 | 78 | 88 | 111 | 58 | 87 | 90 | | | | | | |
| 100 | 77 | 87 | 110 | 57 | 86 | 89 | | | | | | |
| 99 | 77 | 86 | 109 | 57 | 85 | 88 | | | | | | |
| 98 | 76 | 85 | 108 | 56 | 84 | 87 | | | | | | |
| 97 | 75 | 85 | 107 | 55 | 84 | 87 | | | | | | |
| 96 | 74 | 84 | 106 | 55 | 83 | 86 | | | | | | |
| 95 | 74 | 83 | 105 | 54 | 82 | 85 | | | | | | |
| 94 | 73 | 82 | 104 | 54 | 81 | 84 | | | | | | |
| 93 | 72 | 81 | 103 | 53 | 80 | 83 | | | | | | |
| 92 | 71 | 80 | 102 | 53 | 79 | 82 | | | | | | |
| 91 | 71 | 80 | 101 | 52 | 78 | 81 | | | | | | |
| 90 | 70 | 79 | 100 | 52 | 78 | 80 | | | | | | |
| 89 | 69 | 78 | 99 | 51 | 77 | 80 | | | | | | |
| 88 | 69 | 77 | 98 | 51 | 76 | 79 | | | | | | |
| 87 | 68 | 76 | 97 | 50 | 75 | 78 | | | | | | |
| 86 | 67 | 76 | 96 | 50 | 74 | 77 | | | | | | |
| 85 | 66 | 75 | 95 | 49 | 73 | 76 | | | | | | |
| 84 | 66 | 74 | 94 | 48 | 72 | 75 | | | | | | |
| 83 | 65 | 73 | 93 | 48 | 72 | 74 | | | | | | |
| 82 | 64 | 72 | 92 | 47 | 71 | 74 | | | | | | |
| 81 | 63 | 71 | 91 | 47 | 70 | 73 | | | | | | |
| 80 | 63 | 71 | 90 | 46 | 69 | 72 | | | | | | |
| 79 | 62 | 70 | 89 | 46 | 68 | 71 | | | | | | |
| 78 | 61 | 69 | 88 | 45 | 67 | 70 | | | | | | |
| 77 | 61 | 68 | 87 | 45 | 66 | 69 | | | | | | |
| 76 | 60 | 67 | 86 | 44 | 66 | 68 | | | | | | |
| 75 | 59 | 67 | 85 | 44 | 65 | 67 | | | | | | |
| 74 | 58 | 66 | 84 | 43 | 64 | 67 | | | | | | |
| 73 | 58 | 65 | 83 | 43 | 63 | 66 | | | | | | |
| 72 | 57 | 64 | 82 | 42 | 62 | 65 | | | | | | |
| 71 | 56 | 63 | 81 | 42 | 61 | 64 | | | | | | |
| 70 | 56 | 62 | 80 | 41 | 60 | 63 | | | | | | |
| 69 | 55 | 62 | 79 | 40 | 60 | 62 | | | | | | |
| 68 | 54 | 61 | 78 | 40 | 59 | 61 | | | | | | |
| 67 | 53 | 60 | 77 | 39 | 58 | 60 | | | | | | |
| 66 | 53 | 59 | 76 | 39 | 57 | 60 | | | | | | |

TABLE 115. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

ITBS (71 ED.) CAT (70 ED.) CTBS (68 ED.) MAT (70 ED.) STEP-II (69 ED.) SRA (71 ED.) SAT (64 ED.)
 LEVEL 10 LEVEL 3 LEVEL 2 ELEMENTARY LEVEL 4 BLUE INTERMEDIATE 1
 FORM 5 FORM A FORM C FORM F FORM A FORM E FORM M
 TOTAL READING TOTAL READING TOTAL READING TOTAL READING TOTAL READING TOTAL READING TOTAL READING

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 65 | 52 | 58 | 75 | 38 | 56 | 59 | |
| 64 | 51 | 58 | 74 | 38 | 55 | 58 | |
| 63 | 50 | 57 | 73 | 37 | 54 | 57 | |
| 62 | 50 | 56 | 72 | 37 | 54 | 56 | |
| 61 | 49 | 55 | 71 | 36 | 53 | 55 | |
| 60 | 48 | 54 | 70 | 36 | 52 | 54 | |
| 59 | 48 | 53 | 69 | 35 | 51 | 54 | |
| 58 | 47 | 53 | 68 | 35 | 50 | 53 | |
| 57 | 46 | 52 | 67 | 34 | 49 | 52 | |
| 56 | 45 | 51 | 66 | 33 | 48 | 51 | |
| 55 | 45 | 50 | 65 | 33 | 47 | 50 | |
| 54 | 44 | 49 | 64 | 32 | 47 | 49 | |
| 53 | 43 | 48 | 63 | 32 | 46 | 48 | |
| 52 | 42 | 48 | 62 | 31 | 45 | 47 | |
| 51 | 42 | 47 | 61 | 31 | 44 | 47 | |
| 50 | 41 | 46 | 60 | 30 | 43 | 46 | |
| 49 | 40 | 45 | 59 | 30 | 42 | 45 | |
| 48 | 40 | 44 | 58 | 29 | 41 | 44 | |
| 47 | 39 | 44 | 57 | 29 | 41 | 43 | |
| 46 | 38 | 43 | 56 | 28 | 40 | 42 | |
| 45 | 37 | 42 | 55 | 28 | 39 | 41 | |
| 44 | 37 | 41 | 54 | 27 | 38 | 40 | |
| 43 | 36 | 40 | 53 | 26 | 37 | 40 | |
| 42 | 35 | 39 | 52 | 26 | 36 | 39 | |
| 41 | 35 | 39 | 51 | 25 | 35 | 38 | |
| 40 | 34 | 38 | 50 | 25 | 35 | 37 | |
| 39 | 33 | 37 | 49 | 24 | 34 | 36 | |
| 38 | 32 | 36 | 48 | 24 | 33 | 35 | |
| 37 | 32 | 35 | 47 | 23 | 32 | 34 | |
| 36 | 31 | 35 | 46 | 23 | 31 | 34 | |
| 35 | 30 | 34 | 45 | 22 | 30 | 33 | |
| 34 | 29 | 33 | 44 | 22 | 29 | 32 | |
| 33 | 28 | 32 | 43 | 21 | 29 | 31 | |
| 32 | 28 | 31 | 42 | 21 | 28 | 30 | |
| 31 | 27 | 30 | 41 | 20 | 27 | 29 | |
| 30 | 27 | 30 | 40 | 19 | 26 | 28 | |
| 29 | 26 | 29 | 39 | 19 | 25 | 27 | |
| 28 | 25 | 28 | 38 | 18 | 24 | 27 | |
| 27 | 24 | 27 | 37 | 18 | 23 | 26 | |
| 26 | 24 | 26 | 36 | 17 | 23 | 25 | |
| 25 | 23 | 25 | 35 | 17 | 22 | 24 | |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CTRS (68 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|---------------|-------------------|---------------|----------------------|---------------|-------------------|---------------|----------------|---------------|--------------------------|---------------|
| | LEVEL 3 FORM A | TOTAL READING | LEVEL 2 FORM C | TOTAL READING | ELEMENTARY FORM F | TOTAL READING | LEVEL 4 FORM A | TOTAL READING | BLUE FORM E | TOTAL READING | INTERMEDIATE I FORM W | TOTAL READING |
| 24 | 22 | 25 | 25 | 34 | 34 | 16 | 21 | 23 | | | | |
| 23 | 22 | 24 | 33 | 33 | 33 | 16 | 20 | 22 | | | | |
| 22 | 21 | 23 | 32 | 32 | 32 | 15 | 19 | 21 | | | | |
| 21 | 20 | 22 | 31 | 31 | 31 | 15 | 18 | 20 | | | | |
| 20 | 19 | 21 | 30 | 30 | 30 | 14 | 17 | 20 | | | | |
| 19 | 19 | 21 | 29 | 29 | 29 | 14 | 17 | 19 | | | | |
| 18 | 18 | 20 | 29 | 29 | 29 | 13 | 16 | 18 | | | | |
| 17 | 17 | 19 | 28 | 28 | 28 | 12 | 15 | 17 | | | | |
| 16 | 16 | 19 | 27 | 27 | 27 | 12 | 14 | 16 | | | | |
| 15 | 15 | 17 | 26 | 26 | 26 | 11 | 13 | 15 | | | | |
| 14 | 14 | 16 | 25 | 25 | 25 | 11 | 12 | 14 | | | | |
| 13 | 14 | 16 | 24 | 24 | 24 | 10 | 11 | 14 | | | | |
| 12 | 14 | 15 | 23 | 23 | 23 | 10 | 11 | 13 | | | | |
| 11 | 13 | 14 | 22 | 22 | 22 | 9 | 10 | 12 | | | | |
| 10 | 12 | 13 | 21 | 21 | 21 | 9 | 9 | 11 | | | | |
| 9 | 11 | 12 | 20 | 20 | 20 | 8 | 8 | 10 | | | | |
| 8 | 11 | 12 | 19 | 19 | 19 | 8 | 7 | 9 | | | | |
| 7 | 10 | 11 | 18 | 18 | 18 | 7 | 6 | 8 | | | | |
| 6 | 9 | 10 | 17 | 17 | 17 | 7 | 5 | 7 | | | | |
| 5 | 8 | 9 | 16 | 16 | 16 | 6 | 5 | 7 | | | | |
| 4 | 8 | 8 | 15 | 15 | 15 | 5 | 4 | 6 | | | | |
| 3 | 7 | 7 | 14 | 14 | 14 | 5 | 4 | 6 | | | | |
| 2 | 6 | 7 | 13 | 13 | 13 | 4 | 2 | 5 | | | | |
| 1 | 6 | 6 | 12 | 12 | 12 | 4 | 1 | 4 | | | | |
| 0 | 5 | 5 | 11 | 11 | 11 | 3 | 0 | 3 | | | | |

TABLE 116. ANCHOR TEST EQUATING STUDY: GRADE 4
 METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | TBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|--------------------------------------|-----------------------------------|------------------|------------------------------------|------------------|------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 54 | 37 | 41 | 44 | 27 | 38 | 40 | | | | | | |
| 53 | 36 | 40 | 43 | 37 | 39 | 39 | | | | | | |
| 52 | 35 | 39 | 42 | 26 | 36 | 39 | | | | | | |
| 51 | 34 | 38 | 41 | 25 | 35 | 38 | | | | | | |
| 50 | 34 | 38 | 40 | 25 | 34 | 37 | | | | | | |
| 49 | 33 | 37 | 39 | 24 | 34 | 36 | | | | | | |
| 48 | 32 | 36 | 38 | 24 | 33 | 35 | | | | | | |
| 47 | 31 | 35 | 37 | 23 | 32 | 34 | | | | | | |
| 46 | 31 | 34 | 36 | 23 | 31 | 33 | | | | | | |
| 45 | 30 | 33 | 35 | 22 | 30 | 32 | | | | | | |
| 44 | 29 | 33 | 34 | 21 | 29 | 32 | | | | | | |
| 43 | 29 | 32 | 33 | 21 | 28 | 31 | | | | | | |
| 42 | 28 | 31 | 32 | 20 | 27 | 30 | | | | | | |
| 41 | 27 | 30 | 31 | 20 | 27 | 29 | | | | | | |
| 40 | 26 | 29 | 30 | 19 | 26 | 28 | | | | | | |
| 39 | 26 | 28 | 29 | 19 | 25 | 27 | | | | | | |
| 38 | 25 | 28 | 28 | 18 | 24 | 26 | | | | | | |
| 37 | 24 | 27 | 27 | 18 | 23 | 25 | | | | | | |
| 36 | 23 | 26 | 26 | 17 | 22 | 25 | | | | | | |
| 35 | 23 | 25 | 25 | 17 | 21 | 24 | | | | | | |
| 34 | 22 | 24 | 24 | 16 | 21 | 23 | | | | | | |
| 33 | 21 | 24 | 23 | 15 | 20 | 22 | | | | | | |
| 32 | 20 | 23 | 22 | 15 | 19 | 21 | | | | | | |
| 31 | 20 | 22 | 21 | 14 | 18 | 20 | | | | | | |
| 30 | 19 | 21 | 20 | 14 | 17 | 19 | | | | | | |
| 29 | 18 | 20 | 19 | 13 | 16 | 18 | | | | | | |
| 28 | 18 | 19 | 18 | 13 | 15 | 17 | | | | | | |
| 27 | 17 | 19 | 17 | 12 | 14 | 17 | | | | | | |
| 26 | 16 | 18 | 16 | 12 | 14 | 16 | | | | | | |
| 25 | 15 | 17 | 15 | 11 | 13 | 15 | | | | | | |
| 24 | 15 | 16 | 14 | 11 | 12 | 14 | | | | | | |
| 23 | 14 | 15 | 13 | 10 | 11 | 13 | | | | | | |
| 22 | 13 | 14 | 12 | 9 | 10 | 12 | | | | | | |
| 21 | 12 | 14 | 11 | 9 | 9 | 11 | | | | | | |
| 20 | 12 | 13 | 10 | 8 | 8 | 10 | | | | | | |
| 19 | 11 | 12 | 8 | 8 | 8 | 10 | | | | | | |
| 18 | 10 | 11 | 7 | 7 | 7 | 9 | | | | | | |
| 17 | 10 | 10 | 6 | 7 | 6 | 8 | | | | | | |
| 16 | 9 | 9 | 5 | 6 | 5 | 7 | | | | | | |
| 15 | 8 | 9 | 4 | 6 | 4 | 6 | | | | | | |
| 14 | 7 | 8 | 3 | 5 | 3 | 5 | | | | | | |

TABLE 116. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | CATS (68 ED.) LEVEL 2 FORM Q TOTAL READING | ITPS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM M TOTAL READING |
|---|---|--|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 13 | 7 | 2 | 5 | 2 | 4 |
| 12 | 6 | 1 | 4 | 1 | 3 |
| 11 | 5 | 0 | 4 | 1 | 3 |
| 10 | 4 | - 1 | 3 | 0 | 2 |
| 9 | 4 | - 2 | 2 | - 1 | 1 |
| 8 | 3 | - 3 | 2 | - 2 | 0 |
| 7 | 2 | - 4 | 1 | - 3 | - 1 |
| 6 | 1 | - 5 | 1 | - 4 | - 2 |
| 5 | 0 | - 6 | 0 | - 5 | - 3 |
| 4 | - 1 | - 7 | 0 | - 5 | - 4 |
| 3 | - 1 | - 8 | - 1 | - 6 | - 4 |
| 2 | - 2 | - 9 | - 1 | - 7 | - 5 |
| 1 | - 3 | - 10 | - 2 | - 8 | - 6 |
| 0 | - 4 | - 11 | - 2 | - 9 | - 7 |



TABLE 117. ANCHOR TEST EQUATING STUDY: GRADE 4

SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAY (70 ED.) ELEMENTARY FORM F | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 57 | 77 | 87 | 85 | 98 | 100 | 110 | 108 | 84 | 86 | 87 | 87 | 87 |
| 56 | 76 | 85 | 84 | 96 | 96 | 106 | 106 | 83 | 84 | 87 | 87 | 87 |
| 55 | 74 | 84 | 82 | 94 | 94 | 104 | 104 | 81 | 83 | 83 | 86 | 86 |
| 54 | 73 | 82 | 81 | 93 | 93 | 102 | 102 | 80 | 81 | 81 | 84 | 84 |
| 53 | 72 | 81 | 80 | 92 | 92 | 101 | 101 | 79 | 80 | 80 | 83 | 83 |
| 52 | 70 | 79 | 79 | 91 | 91 | 100 | 100 | 78 | 78 | 78 | 81 | 81 |
| 51 | 69 | 78 | 78 | 89 | 89 | 99 | 99 | 76 | 76 | 76 | 81 | 81 |
| 50 | 68 | 76 | 76 | 87 | 87 | 97 | 97 | 75 | 75 | 75 | 79 | 79 |
| 49 | 66 | 75 | 75 | 85 | 85 | 95 | 95 | 73 | 73 | 73 | 76 | 76 |
| 48 | 65 | 73 | 73 | 83 | 83 | 93 | 93 | 72 | 72 | 72 | 75 | 75 |
| 47 | 64 | 72 | 72 | 81 | 81 | 91 | 91 | 70 | 70 | 70 | 73 | 73 |
| 46 | 62 | 70 | 70 | 80 | 80 | 89 | 89 | 68 | 68 | 68 | 71 | 71 |
| 45 | 61 | 69 | 69 | 78 | 78 | 87 | 87 | 67 | 67 | 67 | 70 | 70 |
| 44 | 60 | 67 | 67 | 76 | 76 | 86 | 86 | 65 | 65 | 65 | 68 | 68 |
| 43 | 59 | 66 | 66 | 74 | 74 | 84 | 84 | 64 | 64 | 64 | 66 | 66 |
| 42 | 57 | 64 | 64 | 72 | 72 | 82 | 82 | 62 | 62 | 62 | 65 | 65 |
| 41 | 56 | 63 | 63 | 70 | 70 | 80 | 80 | 61 | 61 | 61 | 63 | 63 |
| 40 | 54 | 61 | 61 | 68 | 68 | 78 | 78 | 59 | 59 | 59 | 62 | 62 |
| 39 | 53 | 60 | 60 | 66 | 66 | 76 | 76 | 57 | 57 | 57 | 60 | 60 |
| 38 | 52 | 58 | 58 | 65 | 65 | 75 | 75 | 56 | 56 | 56 | 58 | 58 |
| 37 | 50 | 56 | 56 | 63 | 63 | 73 | 73 | 54 | 54 | 54 | 57 | 57 |
| 36 | 49 | 55 | 55 | 61 | 61 | 71 | 71 | 53 | 53 | 53 | 55 | 55 |
| 35 | 48 | 53 | 53 | 59 | 59 | 69 | 69 | 51 | 51 | 51 | 54 | 54 |
| 34 | 46 | 52 | 52 | 57 | 57 | 67 | 67 | 49 | 49 | 49 | 52 | 52 |
| 33 | 45 | 50 | 50 | 55 | 55 | 65 | 65 | 48 | 48 | 48 | 50 | 50 |
| 32 | 44 | 49 | 49 | 53 | 53 | 64 | 64 | 46 | 46 | 46 | 49 | 49 |
| 31 | 42 | 47 | 47 | 52 | 52 | 62 | 62 | 45 | 45 | 45 | 47 | 47 |
| 30 | 41 | 46 | 46 | 50 | 50 | 60 | 60 | 43 | 43 | 43 | 45 | 45 |
| 29 | 39 | 44 | 44 | 48 | 48 | 58 | 58 | 41 | 41 | 41 | 44 | 44 |
| 28 | 38 | 43 | 43 | 46 | 46 | 56 | 56 | 40 | 40 | 40 | 42 | 42 |
| 27 | 37 | 41 | 41 | 44 | 44 | 54 | 54 | 38 | 38 | 38 | 41 | 41 |
| 26 | 35 | 40 | 40 | 42 | 42 | 53 | 53 | 37 | 37 | 37 | 39 | 39 |
| 25 | 34 | 38 | 38 | 40 | 40 | 51 | 51 | 35 | 35 | 35 | 37 | 37 |
| 24 | 33 | 37 | 37 | 39 | 39 | 49 | 49 | 33 | 33 | 33 | 36 | 36 |
| 23 | 31 | 35 | 35 | 37 | 37 | 47 | 47 | 32 | 32 | 32 | 34 | 34 |
| 22 | 30 | 34 | 34 | 35 | 35 | 45 | 45 | 30 | 30 | 30 | 33 | 33 |
| 21 | 29 | 32 | 32 | 33 | 33 | 43 | 43 | 29 | 29 | 29 | 31 | 31 |
| 20 | 27 | 31 | 31 | 31 | 31 | 41 | 41 | 27 | 27 | 27 | 29 | 29 |

TABLE 117. ANCHOR TEST EQUATING STUDY: GRADE 4

SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM Q | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|---------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 19 | 25 | 29 | 29 | 40 | 25 | 28 |
| 18 | 25 | 27 | 27 | 38 | 24 | 26 |
| 17 | 23 | 26 | 26 | 36 | 22 | 24 |
| 16 | 22 | 24 | 24 | 34 | 21 | 23 |
| 15 | 21 | 23 | 22 | 32 | 19 | 21 |
| 14 | 19 | 21 | 20 | 30 | 17 | 20 |
| 13 | 18 | 20 | 18 | 29 | 16 | 16 |
| 12 | 17 | 18 | 16 | 27 | 14 | 16 |
| 11 | 15 | 17 | 14 | 25 | 13 | 15 |
| 10 | 14 | 15 | 13 | 23 | 11 | 13 |
| 9 | 13 | 14 | 11 | 21 | 9 | 12 |
| 8 | 11 | 12 | 9 | 19 | 8 | 10 |
| 7 | 10 | 11 | 7 | 18 | 6 | 8 |
| 6 | 9 | 9 | 5 | 16 | 5 | 7 |
| 5 | 7 | 8 | 3 | 14 | 3 | 5 |
| 4 | 6 | 6 | 1 | 12 | 1 | 3 |
| 3 | 5 | 5 | 0 | 10 | 0 | 2 |
| 2 | 3 | 3 | - 2 | 8 | - 2 | 0 |
| 1 | 2 | 2 | - 4 | 7 | - 3 | - 1 |
| 0 | 0 | 0 | - 6 | 5 | - 5 | - 3 |

TABLE 118. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) BLUE LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|--|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 90 | 81 | 91 | 105 | 114 | 105 | 114 | 114 | 60 | 114 | 60 | 93 | |
| 89 | 80 | 90 | 103 | 113 | 103 | 113 | 113 | 59 | 113 | 59 | 92 | |
| 88 | 79 | 89 | 102 | 112 | 102 | 112 | 112 | 58 | 112 | 58 | 91 | |
| 87 | 78 | 88 | 101 | 111 | 101 | 111 | 111 | 58 | 111 | 58 | 90 | |
| 86 | 77 | 87 | 100 | 110 | 100 | 110 | 110 | 57 | 110 | 57 | 89 | |
| 85 | 76 | 86 | 99 | 108 | 99 | 108 | 108 | 56 | 108 | 56 | 88 | |
| 84 | 75 | 85 | 98 | 107 | 98 | 107 | 107 | 56 | 107 | 56 | 87 | |
| 83 | 75 | 84 | 96 | 106 | 96 | 106 | 106 | 55 | 106 | 55 | 86 | |
| 82 | 74 | 83 | 95 | 105 | 95 | 105 | 105 | 55 | 105 | 55 | 85 | |
| 81 | 73 | 82 | 94 | 104 | 94 | 104 | 104 | 54 | 104 | 54 | 84 | |
| 80 | 72 | 81 | 93 | 103 | 93 | 103 | 103 | 53 | 103 | 53 | 83 | |
| 79 | 71 | 80 | 92 | 102 | 92 | 102 | 102 | 53 | 102 | 53 | 82 | |
| 78 | 70 | 79 | 91 | 100 | 91 | 100 | 100 | 52 | 100 | 52 | 81 | |
| 77 | 70 | 78 | 89 | 99 | 89 | 99 | 99 | 51 | 99 | 51 | 80 | |
| 76 | 69 | 77 | 88 | 98 | 88 | 98 | 98 | 51 | 98 | 51 | 79 | |
| 75 | 68 | 76 | 87 | 97 | 87 | 97 | 97 | 50 | 97 | 50 | 78 | |
| 74 | 67 | 75 | 86 | 96 | 86 | 96 | 96 | 50 | 96 | 50 | 77 | |
| 73 | 66 | 74 | 85 | 95 | 85 | 95 | 95 | 49 | 95 | 49 | 76 | |
| 72 | 65 | 73 | 84 | 93 | 84 | 93 | 93 | 48 | 93 | 48 | 75 | |
| 71 | 65 | 72 | 82 | 92 | 82 | 92 | 92 | 48 | 92 | 48 | 74 | |
| 70 | 64 | 71 | 81 | 91 | 81 | 91 | 91 | 47 | 91 | 47 | 73 | |
| 69 | 63 | 70 | 80 | 90 | 80 | 90 | 90 | 46 | 90 | 46 | 72 | |
| 68 | 62 | 69 | 79 | 89 | 79 | 89 | 89 | 45 | 89 | 45 | 71 | |
| 67 | 61 | 68 | 78 | 88 | 78 | 88 | 88 | 45 | 88 | 45 | 70 | |
| 66 | 60 | 67 | 77 | 87 | 77 | 87 | 87 | 45 | 87 | 45 | 69 | |
| 65 | 59 | 66 | 76 | 85 | 76 | 85 | 85 | 44 | 85 | 44 | 68 | |
| 64 | 59 | 65 | 74 | 84 | 74 | 84 | 84 | 44 | 84 | 44 | 67 | |
| 63 | 58 | 64 | 73 | 83 | 73 | 83 | 83 | 43 | 83 | 43 | 66 | |
| 62 | 57 | 63 | 72 | 82 | 72 | 82 | 82 | 42 | 82 | 42 | 65 | |
| 61 | 56 | 62 | 71 | 81 | 71 | 81 | 81 | 41 | 81 | 41 | 64 | |
| 60 | 55 | 61 | 70 | 80 | 70 | 80 | 80 | 41 | 80 | 41 | 63 | |
| 59 | 54 | 60 | 69 | 78 | 69 | 78 | 78 | 40 | 78 | 40 | 62 | |
| 58 | 54 | 59 | 67 | 77 | 67 | 77 | 77 | 40 | 77 | 40 | 61 | |
| 57 | 53 | 58 | 66 | 76 | 66 | 76 | 76 | 39 | 76 | 39 | 60 | |
| 56 | 52 | 57 | 65 | 75 | 65 | 75 | 75 | 38 | 75 | 38 | 59 | |
| 55 | 51 | 56 | 64 | 74 | 64 | 74 | 74 | 38 | 74 | 38 | 58 | |
| 54 | 50 | 55 | 63 | 73 | 63 | 73 | 73 | 37 | 73 | 37 | 57 | |
| 53 | 49 | 54 | 62 | 72 | 62 | 72 | 72 | 36 | 72 | 36 | 56 | |
| 52 | 49 | 53 | 60 | 70 | 60 | 70 | 70 | 36 | 70 | 36 | 55 | |
| 51 | 48 | 52 | 59 | 69 | 59 | 69 | 69 | 35 | 69 | 35 | 54 | |
| 50 | 47 | 51 | 58 | 68 | 58 | 68 | 68 | 34 | 68 | 34 | 53 | |

TABLE 118. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CTRS (68 ED.) | | ITBS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SAT (64 ED.) | |
|------------------|-------------------|-------------------|--------------------|--------------------|----------------------|-------------------|----------------------|-------------------|-------------------|--------------------------|--------------------------|------------------|
| | LEVEL 3 FORM A | LEVEL 2 FORM Q | LEVEL 10 FORM S | LEVEL 10 FORM 5 | ELEMENTARY FORM F | LEVEL 4 FORM A | ELEMENTARY FORM F | LEVEL 4 FORM A | LEVEL 4 FORM A | INTERMEDIATE I FORM W | INTERMEDIATE I FORM W | TOTAL READING |
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 49 | 46 | 52 | 57 | 57 | 67 | 34 | 34 | 52 | 52 | 52 | 52 | 52 |
| 48 | 45 | 51 | 56 | 56 | 66 | 33 | 33 | 66 | 33 | 33 | 51 | 51 |
| 47 | 44 | 50 | 55 | 55 | 65 | 33 | 33 | 65 | 33 | 33 | 50 | 50 |
| 46 | 43 | 49 | 53 | 53 | 63 | 32 | 32 | 63 | 32 | 32 | 49 | 49 |
| 45 | 43 | 48 | 52 | 52 | 62 | 31 | 31 | 62 | 31 | 31 | 48 | 48 |
| 44 | 42 | 47 | 51 | 51 | 61 | 31 | 31 | 61 | 31 | 31 | 47 | 47 |
| 43 | 41 | 46 | 50 | 50 | 60 | 30 | 30 | 60 | 30 | 30 | 45 | 45 |
| 42 | 40 | 45 | 49 | 49 | 59 | 29 | 29 | 59 | 29 | 29 | 45 | 45 |
| 41 | 39 | 44 | 48 | 48 | 58 | 29 | 29 | 58 | 29 | 29 | 44 | 44 |
| 40 | 38 | 43 | 46 | 46 | 57 | 28 | 28 | 57 | 28 | 28 | 42 | 42 |
| 39 | 38 | 42 | 45 | 45 | 55 | 28 | 28 | 55 | 28 | 28 | 41 | 41 |
| 38 | 37 | 41 | 44 | 44 | 54 | 27 | 27 | 54 | 27 | 27 | 40 | 40 |
| 37 | 36 | 40 | 43 | 43 | 53 | 26 | 26 | 53 | 26 | 26 | 39 | 39 |
| 36 | 35 | 39 | 42 | 42 | 52 | 26 | 26 | 52 | 26 | 26 | 38 | 38 |
| 35 | 34 | 38 | 41 | 41 | 51 | 25 | 25 | 51 | 25 | 25 | 37 | 37 |
| 34 | 33 | 37 | 39 | 39 | 50 | 24 | 24 | 50 | 24 | 24 | 36 | 36 |
| 33 | 32 | 36 | 38 | 38 | 48 | 24 | 24 | 48 | 24 | 24 | 35 | 35 |
| 32 | 32 | 35 | 37 | 37 | 47 | 23 | 23 | 47 | 23 | 23 | 34 | 34 |
| 31 | 31 | 34 | 36 | 36 | 46 | 23 | 23 | 46 | 23 | 23 | 33 | 33 |
| 30 | 30 | 33 | 35 | 35 | 45 | 22 | 22 | 45 | 22 | 22 | 32 | 32 |
| 29 | 29 | 32 | 34 | 34 | 44 | 21 | 21 | 44 | 21 | 21 | 31 | 31 |
| 28 | 28 | 32 | 32 | 32 | 43 | 21 | 21 | 43 | 21 | 21 | 30 | 30 |
| 27 | 27 | 31 | 31 | 31 | 42 | 20 | 20 | 42 | 20 | 20 | 29 | 29 |
| 26 | 27 | 30 | 30 | 30 | 40 | 19 | 19 | 40 | 19 | 19 | 28 | 28 |
| 25 | 26 | 29 | 29 | 29 | 39 | 19 | 19 | 39 | 19 | 19 | 27 | 27 |
| 24 | 25 | 28 | 28 | 28 | 38 | 18 | 18 | 38 | 18 | 18 | 26 | 26 |
| 23 | 24 | 27 | 27 | 27 | 37 | 18 | 18 | 37 | 18 | 18 | 25 | 25 |
| 22 | 23 | 26 | 25 | 25 | 36 | 17 | 17 | 36 | 17 | 17 | 24 | 24 |
| 21 | 22 | 25 | 24 | 24 | 35 | 16 | 16 | 35 | 16 | 16 | 23 | 23 |
| 20 | 22 | 24 | 23 | 23 | 33 | 16 | 16 | 33 | 16 | 16 | 22 | 22 |
| 19 | 21 | 23 | 22 | 22 | 32 | 15 | 15 | 32 | 15 | 15 | 21 | 21 |
| 18 | 20 | 22 | 21 | 21 | 31 | 14 | 14 | 31 | 14 | 14 | 20 | 20 |
| 17 | 19 | 21 | 20 | 20 | 30 | 14 | 14 | 30 | 14 | 14 | 19 | 19 |
| 16 | 18 | 20 | 18 | 18 | 29 | 13 | 13 | 29 | 13 | 13 | 18 | 18 |
| 15 | 17 | 19 | 17 | 17 | 28 | 13 | 13 | 28 | 13 | 13 | 17 | 17 |
| 14 | 16 | 18 | 16 | 16 | 27 | 12 | 12 | 27 | 12 | 12 | 16 | 16 |
| 13 | 16 | 17 | 15 | 15 | 25 | 11 | 11 | 25 | 11 | 11 | 15 | 15 |
| 12 | 15 | 16 | 14 | 14 | 24 | 11 | 11 | 24 | 11 | 11 | 14 | 14 |
| 11 | 14 | 15 | 13 | 13 | 23 | 10 | 10 | 23 | 10 | 10 | 13 | 13 |
| 10 | 13 | 14 | 11 | 11 | 22 | 9 | 9 | 22 | 9 | 9 | 12 | 12 |
| 9 | 12 | 13 | 10 | 10 | 21 | 9 | 9 | 21 | 9 | 9 | 11 | 11 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| SRA (71 ED.) RL/IE FORM E TOTAL READING | CATS (68 ED.) LEVEL 2 FORM O TOTAL READING | ITRS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-11 (69 ED.) LEVEL 4 FORM A TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM M TOTAL READING |
|--|---|--|---|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 8 | 11 | 12 | 20 | 8 | 10 |
| 7 | 11 | 8 | 18 | 8 | 9 |
| 6 | 10 | 7 | 17 | 7 | 8 |
| 5 | 9 | 6 | 16 | 6 | 7 |
| 4 | 8 | 4 | 15 | 6 | 6 |
| 3 | 7 | 3 | 14 | 5 | 5 |
| 2 | 6 | 2 | 13 | 4 | 4 |
| 1 | 6 | 1 | 12 | 4 | 3 |
| 0 | 5 | 0 | 10 | 3 | 2 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|--|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | RAW SCORE | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 99 | 85 | 95 | 110 | 120 | 63 | 95 | 63 | 95 | | | | |
| 97 | 84 | 95 | 109 | 119 | 62 | 94 | 62 | 94 | | | | |
| 96 | 83 | 94 | 108 | 118 | 61 | 93 | 61 | 93 | | | | |
| 95 | 82 | 93 | 107 | 116 | 61 | 92 | 61 | 92 | | | | |
| 94 | 81 | 92 | 106 | 115 | 60 | 91 | 60 | 91 | | | | |
| 93 | 80 | 91 | 105 | 114 | 60 | 90 | 60 | 90 | | | | |
| 92 | 80 | 90 | 103 | 113 | 59 | 89 | 59 | 89 | | | | |
| 91 | 79 | 89 | 102 | 112 | 58 | 88 | 58 | 88 | | | | |
| 90 | 78 | 88 | 101 | 111 | 58 | 87 | 58 | 87 | | | | |
| 89 | 77 | 87 | 100 | 110 | 57 | 86 | 57 | 86 | | | | |
| 88 | 76 | 86 | 99 | 108 | 56 | 85 | 56 | 85 | | | | |
| 87 | 75 | 85 | 98 | 107 | 56 | 84 | 56 | 84 | | | | |
| 86 | 75 | 84 | 96 | 106 | 55 | 83 | 55 | 83 | | | | |
| 85 | 74 | 83 | 95 | 105 | 55 | 82 | 55 | 82 | | | | |
| 84 | 73 | 82 | 94 | 104 | 54 | 81 | 54 | 81 | | | | |
| 83 | 72 | 81 | 93 | 103 | 53 | 80 | 53 | 80 | | | | |
| 82 | 71 | 80 | 92 | 102 | 53 | 79 | 53 | 79 | | | | |
| 81 | 70 | 79 | 91 | 100 | 52 | 78 | 52 | 78 | | | | |
| 80 | 70 | 78 | 90 | 99 | 51 | 77 | 51 | 77 | | | | |
| 79 | 69 | 78 | 88 | 98 | 51 | 76 | 51 | 76 | | | | |
| 78 | 68 | 77 | 87 | 97 | 50 | 75 | 50 | 75 | | | | |
| 77 | 67 | 76 | 86 | 96 | 50 | 74 | 50 | 74 | | | | |
| 76 | 66 | 75 | 85 | 95 | 49 | 73 | 49 | 73 | | | | |
| 75 | 65 | 74 | 84 | 94 | 48 | 72 | 48 | 72 | | | | |
| 74 | 65 | 73 | 83 | 92 | 48 | 71 | 48 | 71 | | | | |
| 73 | 64 | 72 | 82 | 91 | 47 | 70 | 47 | 70 | | | | |
| 72 | 63 | 71 | 80 | 90 | 47 | 69 | 47 | 69 | | | | |
| 71 | 62 | 70 | 79 | 89 | 46 | 68 | 46 | 68 | | | | |
| 70 | 61 | 69 | 78 | 88 | 45 | 67 | 45 | 67 | | | | |
| 69 | 60 | 68 | 77 | 87 | 45 | 66 | 45 | 66 | | | | |
| 68 | 60 | 67 | 76 | 86 | 44 | 65 | 44 | 65 | | | | |
| 67 | 59 | 66 | 75 | 84 | 43 | 64 | 43 | 64 | | | | |
| 66 | 58 | 65 | 73 | 83 | 43 | 63 | 43 | 63 | | | | |
| 65 | 57 | 64 | 72 | 82 | 42 | 62 | 42 | 62 | | | | |
| 64 | 56 | 63 | 71 | 81 | 42 | 61 | 42 | 61 | | | | |
| 63 | 56 | 62 | 70 | 80 | 41 | 60 | 41 | 60 | | | | |
| 62 | 55 | 61 | 69 | 79 | 40 | 59 | 40 | 59 | | | | |
| 61 | 54 | 61 | 68 | 78 | 40 | 58 | 40 | 58 | | | | |
| 60 | 53 | 60 | 67 | 77 | 39 | 57 | 39 | 57 | | | | |
| 59 | 52 | 59 | 65 | 75 | 38 | 56 | 38 | 56 | | | | |
| 58 | 51 | 58 | 64 | 74 | 38 | 55 | 38 | 55 | | | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, LINEAR METHOD

| SAT 164 ED.) INTERMEDIATE I FORM W TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | | CTBS (68 ED.) LEVEL 2 FORM C TOTAL READING | | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | STEP-11 (69 ED.) LEVEL 4 FORM A TOTAL READING | | SRA (71 ED.) BLUE FORM E TOTAL READING | |
|---|--|------------------|---|------------------|--|------------------|---|------------------|--|------------------|---|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 57 | 51 | 57 | 63 | 73 | 73 | 37 | 37 | 54 | | | | |
| 56 | 50 | 56 | 62 | 72 | 72 | 37 | 37 | 53 | | | | |
| 55 | 49 | 55 | 61 | 71 | 71 | 36 | 36 | 52 | | | | |
| 54 | 48 | 54 | 60 | 70 | 70 | 35 | 35 | 51 | | | | |
| 53 | 47 | 53 | 59 | 69 | 69 | 35 | 35 | 50 | | | | |
| 52 | 46 | 52 | 57 | 67 | 67 | 34 | 34 | 49 | | | | |
| 51 | 45 | 51 | 55 | 66 | 66 | 34 | 34 | 48 | | | | |
| 50 | 44 | 50 | 55 | 65 | 65 | 33 | 33 | 48 | | | | |
| 49 | 44 | 49 | 54 | 64 | 64 | 32 | 32 | 47 | | | | |
| 48 | 43 | 48 | 53 | 63 | 63 | 32 | 32 | 46 | | | | |
| 47 | 42 | 47 | 52 | 62 | 62 | 31 | 31 | 45 | | | | |
| 46 | 41 | 46 | 50 | 61 | 61 | 30 | 30 | 44 | | | | |
| 45 | 41 | 45 | 49 | 59 | 59 | 30 | 30 | 43 | | | | |
| 44 | 40 | 44 | 48 | 58 | 58 | 29 | 29 | 42 | | | | |
| 43 | 39 | 43 | 47 | 57 | 57 | 29 | 29 | 41 | | | | |
| 42 | 38 | 42 | 46 | 56 | 56 | 28 | 28 | 40 | | | | |
| 41 | 37 | 41 | 45 | 55 | 55 | 27 | 27 | 39 | | | | |
| 40 | 36 | 40 | 44 | 54 | 54 | 27 | 27 | 38 | | | | |
| 39 | 36 | 39 | 42 | 53 | 53 | 26 | 26 | 37 | | | | |
| 38 | 35 | 38 | 41 | 51 | 51 | 25 | 25 | 36 | | | | |
| 37 | 34 | 37 | 40 | 50 | 50 | 25 | 25 | 35 | | | | |
| 36 | 33 | 36 | 39 | 49 | 49 | 24 | 24 | 34 | | | | |
| 35 | 32 | 35 | 38 | 48 | 48 | 24 | 24 | 33 | | | | |
| 34 | 31 | 34 | 37 | 47 | 47 | 23 | 23 | 32 | | | | |
| 33 | 31 | 33 | 36 | 46 | 46 | 22 | 22 | 31 | | | | |
| 32 | 30 | 32 | 34 | 45 | 45 | 22 | 22 | 30 | | | | |
| 31 | 29 | 31 | 33 | 44 | 44 | 21 | 21 | 29 | | | | |
| 30 | 28 | 30 | 32 | 42 | 42 | 21 | 21 | 28 | | | | |
| 29 | 27 | 29 | 31 | 41 | 41 | 20 | 20 | 27 | | | | |
| 28 | 26 | 28 | 30 | 40 | 40 | 19 | 19 | 26 | | | | |
| 27 | 25 | 27 | 29 | 39 | 39 | 19 | 19 | 25 | | | | |
| 26 | 25 | 26 | 28 | 38 | 38 | 18 | 18 | 24 | | | | |
| 25 | 24 | 25 | 27 | 37 | 37 | 17 | 17 | 23 | | | | |
| 24 | 24 | 24 | 26 | 36 | 36 | 17 | 17 | 22 | | | | |
| 23 | 23 | 23 | 25 | 34 | 34 | 16 | 16 | 21 | | | | |
| 22 | 22 | 22 | 24 | 33 | 33 | 16 | 16 | 20 | | | | |
| 21 | 21 | 21 | 23 | 32 | 32 | 15 | 15 | 19 | | | | |
| 20 | 20 | 20 | 22 | 31 | 31 | 14 | 14 | 18 | | | | |
| 19 | 19 | 19 | 21 | 30 | 30 | 14 | 14 | 17 | | | | |
| 18 | 18 | 18 | 20 | 29 | 29 | 13 | 13 | 16 | | | | |
| 17 | 17 | 17 | 19 | 28 | 28 | 12 | 12 | 15 | | | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1. LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CTRS (68 ED.) | | TYS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | |
|------------------|-------------------|-------------------|--------------------|--------------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | LEVEL 3 FORM A | LEVEL 2 FORM Q | LEVEL 10 FORM 5 | LEVEL 10 FORM 5 | ELEMENTARY FORM F | LEVEL 4 FORM A | LEVEL 4 FORM A | LEVEL 4 FORM F | LEVEL 4 FORM A | LEVEL 4 FORM A | LEVEL 4 FORM F | LEVEL 4 FORM E |
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 16 | 19 | 16 | 16 | 26 | 12 | 12 | 14 | | | | | |
| 15 | 17 | 15 | 15 | 25 | 11 | 11 | 13 | | | | | |
| 14 | 16 | 14 | 14 | 24 | 11 | 12 | 12 | | | | | |
| 13 | 15 | 12 | 12 | 23 | 10 | 11 | 11 | | | | | |
| 12 | 14 | 11 | 11 | 22 | 9 | 10 | 10 | | | | | |
| 11 | 13 | 10 | 10 | 21 | 9 | 9 | 9 | | | | | |
| 10 | 12 | 9 | 9 | 20 | 6 | 6 | 6 | | | | | |
| 9 | 11 | 8 | 8 | 18 | 8 | 7 | 7 | | | | | |
| 8 | 10 | 7 | 7 | 17 | 7 | 6 | 6 | | | | | |
| 7 | 9 | 6 | 6 | 16 | 6 | 5 | 5 | | | | | |
| 6 | 8 | 4 | 4 | 15 | 4 | 4 | 4 | | | | | |
| 5 | 7 | 3 | 3 | 14 | 5 | 3 | 3 | | | | | |
| 4 | 7 | 2 | 2 | 13 | 4 | 2 | 2 | | | | | |
| 3 | 6 | 1 | 1 | 12 | 4 | 1 | 1 | | | | | |
| 2 | 5 | 0 | 0 | 10 | 3 | 0 | 0 | | | | | |
| 1 | 4 | - 1 | - 1 | 9 | 3 | - 1 | - 1 | | | | | |
| 0 | 3 | - 2 | - 2 | 8 | 2 | - 2 | - 2 | | | | | |

TABLE 12. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1. EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 82 | 85 | 106 | 95 | 60 | 90 | 90 | 93 | | | | | | |
| 81 | 84 | 105 | 95 | 60 | 90 | 90 | 97 | | | | | | |
| 80 | 83 | 103 | 95 | 59 | 88 | 88 | 95 | | | | | | |
| 79 | 82 | 101 | 94 | 58 | 87 | 87 | 93 | | | | | | |
| 78 | 81 | 99 | 93 | 57 | 85 | 85 | 91 | | | | | | |
| 77 | 80 | 97 | 93 | 56 | 84 | 84 | 90 | | | | | | |
| 76 | 79 | 96 | 92 | 55 | 83 | 83 | 89 | | | | | | |
| 75 | 78 | 94 | 91 | 54 | 82 | 82 | 88 | | | | | | |
| 74 | 77 | 93 | 91 | 54 | 81 | 81 | 86 | | | | | | |
| 73 | 76 | 91 | 90 | 53 | 80 | 80 | 85 | | | | | | |
| 72 | 75 | 90 | 90 | 52 | 79 | 79 | 83 | | | | | | |
| 71 | 74 | 89 | 89 | 51 | 78 | 78 | 82 | | | | | | |
| 70 | 73 | 88 | 88 | 50 | 77 | 77 | 81 | | | | | | |
| 69 | 72 | 86 | 88 | 50 | 76 | 76 | 80 | | | | | | |
| 68 | 71 | 85 | 88 | 50 | 75 | 75 | 79 | | | | | | |
| 67 | 70 | 84 | 87 | 49 | 74 | 74 | 77 | | | | | | |
| 66 | 69 | 83 | 87 | 48 | 73 | 73 | 76 | | | | | | |
| 65 | 68 | 82 | 86 | 48 | 72 | 72 | 75 | | | | | | |
| 64 | 67 | 81 | 86 | 47 | 71 | 71 | 74 | | | | | | |
| 63 | 66 | 80 | 85 | 46 | 70 | 70 | 73 | | | | | | |
| 62 | 65 | 79 | 85 | 45 | 69 | 69 | 72 | | | | | | |
| 61 | 64 | 78 | 84 | 45 | 68 | 68 | 70 | | | | | | |
| 60 | 63 | 76 | 84 | 44 | 67 | 67 | 69 | | | | | | |
| 59 | 62 | 75 | 83 | 43 | 66 | 66 | 68 | | | | | | |
| 58 | 61 | 74 | 82 | 42 | 65 | 65 | 67 | | | | | | |
| 57 | 60 | 72 | 82 | 42 | 64 | 64 | 66 | | | | | | |
| 56 | 59 | 71 | 81 | 41 | 63 | 63 | 64 | | | | | | |
| 55 | 58 | 69 | 80 | 40 | 62 | 62 | 62 | | | | | | |
| 54 | 57 | 68 | 79 | 39 | 60 | 60 | 61 | | | | | | |
| 53 | 56 | 66 | 78 | 38 | 58 | 58 | 60 | | | | | | |
| 52 | 55 | 65 | 77 | 37 | 57 | 57 | 59 | | | | | | |
| 51 | 54 | 63 | 76 | 37 | 55 | 55 | 57 | | | | | | |
| 50 | 53 | 62 | 75 | 36 | 54 | 54 | 56 | | | | | | |
| 49 | 52 | 60 | 74 | 35 | 53 | 53 | 55 | | | | | | |
| 48 | 51 | 59 | 73 | 34 | 51 | 51 | 54 | | | | | | |
| 47 | 50 | 57 | 72 | 34 | 50 | 50 | 53 | | | | | | |
| 46 | 49 | 55 | 70 | 33 | 49 | 49 | 52 | | | | | | |
| 45 | 48 | 54 | 69 | 32 | 47 | 47 | 50 | | | | | | |
| 44 | 47 | 52 | 68 | 31 | 46 | 46 | 49 | | | | | | |
| 43 | 46 | 50 | 67 | 31 | 44 | 44 | 48 | | | | | | |
| 42 | 45 | 48 | 67 | 31 | 43 | 43 | 46 | | | | | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A | CTRS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 1C FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 41 | 49 | 65 | 30 | 42 | 45 | |
| 40 | 47 | 64 | 30 | 41 | 44 | |
| 39 | 45 | 62 | 29 | 39 | 43 | |
| 38 | 44 | 61 | 28 | 38 | 42 | |
| 37 | 42 | 59 | 27 | 37 | 40 | |
| 36 | 40 | 57 | 27 | 36 | 39 | |
| 35 | 39 | 56 | 26 | 34 | 38 | |
| 34 | 38 | 54 | 25 | 33 | 36 | |
| 33 | 37 | 52 | 24 | 32 | 35 | |
| 32 | 35 | 50 | 24 | 31 | 34 | |
| 31 | 34 | 48 | 23 | 30 | 33 | |
| 30 | 33 | 46 | 22 | 29 | 32 | |
| 29 | 32 | 43 | 22 | 28 | 30 | |
| 28 | 31 | 41 | 21 | 27 | 29 | |
| 27 | 30 | 39 | 20 | 26 | 28 | |
| 26 | 29 | 37 | 19 | 25 | 27 | |
| 25 | 28 | 35 | 19 | 25 | 26 | |
| 24 | 27 | 33 | 18 | 24 | 26 | |
| 23 | 27 | 31 | 17 | 23 | 25 | |
| 22 | 26 | 30 | 16 | 22 | 24 | |
| 21 | 25 | 28 | 16 | 21 | 23 | |
| 20 | 24 | 26 | 15 | 20 | 21 | |
| 19 | 23 | 25 | 14 | 19 | 20 | |
| 18 | 22 | 23 | 13 | 18 | 19 | |
| 17 | 21 | 21 | 12 | 17 | 18 | |
| 16 | 19 | 20 | 11 | 16 | 17 | |
| 15 | 18 | 18 | 10 | 16 | 15 | |
| 14 | 17 | 17 | 9 | 13 | 14 | |
| 13 | 15 | 15 | 8 | 12 | 12 | |
| 12 | 13 | 14 | 8 | 10 | 10 | |
| 11 | 12 | 13 | 7 | 9 | 9 | |
| 10 | 11 | 12 | 6 | 8 | 8 | |
| 9 | 10 | 11 | 6 | 7 | 7 | |
| 8 | 9 | 10 | 5 | 6 | 6 | |
| 7 | 8 | 10 | 4 | 5 | 5 | |
| 6 | 6 | 9 | 4 | 4 | 4 | |
| 5 | 5 | 9 | 3 | 2 | 3 | |
| 4 | 4 | 8 | 3 | 1 | 2 | |
| 3 | 3 | 7 | 2 | 0 | 1 | |
| 2 | 2 | 6 | 1 | 0 | 0 | |
| 1 | 1 | 5 | 1 | 0 | 0 | |

TABLE 120. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTRS (68 ED.) LEVEL 2 FORM C TOTAL READING | ITRS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|--|---|--|---|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 0 | 0 | 0 | 5 | 0 | 0 | 0 |

TABLE 121. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) | | ITRS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|---------------|--------------------|---------------|----------------------|---------------|-------------------|---------------|----------------|---------------|--------------------------|---------------|
| | LEVEL 3 FORM A | TOTAL READING | LEVEL 10 FORM 5 | TOTAL READING | ELEMENTARY FORM F | TOTAL READING | LEVEL 4 FORM A | TOTAL READING | BLUE FORM E | TOTAL READING | INTERMEDIATE I FORM W | TOTAL READING |
| 85 | 82 | 92 | 106 | 95 | 95 | 60 | 60 | 90 | 90 | 98 | 98 | |
| 84 | 81 | 91 | 106 | 95 | 95 | 60 | 60 | 90 | 90 | 98 | 98 | |
| 83 | 80 | 90 | 104 | 95 | 95 | 59 | 59 | 88 | 88 | 96 | 96 | |
| 82 | 79 | 89 | 102 | 94 | 94 | 58 | 58 | 87 | 87 | 94 | 94 | |
| 81 | 78 | 88 | 100 | 93 | 93 | 57 | 57 | 86 | 86 | 92 | 92 | |
| 80 | 77 | 87 | 98 | 93 | 93 | 56 | 56 | 84 | 84 | 90 | 90 | |
| 79 | 76 | 86 | 96 | 92 | 92 | 55 | 55 | 83 | 83 | 88 | 88 | |
| 78 | 74 | 84 | 94 | 91 | 91 | 54 | 54 | 82 | 82 | 86 | 86 | |
| 77 | 73 | 83 | 92 | 91 | 91 | 53 | 53 | 81 | 81 | 84 | 84 | |
| 76 | 71 | 81 | 91 | 90 | 90 | 52 | 52 | 79 | 79 | 82 | 82 | |
| 75 | 70 | 80 | 90 | 90 | 90 | 52 | 52 | 78 | 78 | 80 | 80 | |
| 74 | 69 | 79 | 89 | 89 | 89 | 51 | 51 | 77 | 77 | 79 | 79 | |
| 73 | 67 | 77 | 87 | 88 | 88 | 50 | 50 | 75 | 75 | 78 | 78 | |
| 72 | 65 | 75 | 85 | 88 | 88 | 49 | 49 | 74 | 74 | 76 | 76 | |
| 71 | 64 | 74 | 83 | 87 | 87 | 48 | 48 | 72 | 72 | 74 | 74 | |
| 70 | 63 | 73 | 82 | 86 | 86 | 47 | 47 | 71 | 71 | 73 | 73 | |
| 69 | 62 | 72 | 80 | 85 | 85 | 46 | 46 | 70 | 70 | 71 | 71 | |
| 68 | 61 | 71 | 78 | 85 | 85 | 45 | 45 | 68 | 68 | 70 | 70 | |
| 67 | 59 | 69 | 77 | 84 | 84 | 44 | 44 | 67 | 67 | 68 | 68 | |
| 66 | 58 | 68 | 75 | 83 | 83 | 43 | 43 | 65 | 65 | 67 | 67 | |
| 65 | 57 | 67 | 74 | 82 | 82 | 42 | 42 | 64 | 64 | 65 | 65 | |
| 64 | 56 | 66 | 72 | 82 | 82 | 42 | 42 | 62 | 62 | 64 | 64 | |
| 63 | 55 | 65 | 71 | 81 | 81 | 41 | 41 | 61 | 61 | 62 | 62 | |
| 62 | 54 | 64 | 69 | 80 | 80 | 40 | 40 | 60 | 60 | 61 | 61 | |
| 61 | 53 | 63 | 68 | 79 | 79 | 39 | 39 | 58 | 58 | 60 | 60 | |
| 60 | 52 | 62 | 67 | 78 | 78 | 38 | 38 | 57 | 57 | 59 | 59 | |
| 59 | 51 | 61 | 65 | 77 | 77 | 38 | 38 | 56 | 56 | 58 | 58 | |
| 58 | 50 | 60 | 64 | 76 | 76 | 37 | 37 | 54 | 54 | 57 | 57 | |
| 57 | 49 | 59 | 62 | 75 | 75 | 36 | 36 | 53 | 53 | 55 | 55 | |
| 56 | 48 | 58 | 61 | 74 | 74 | 35 | 35 | 52 | 52 | 54 | 54 | |
| 55 | 48 | 58 | 59 | 73 | 73 | 35 | 35 | 51 | 51 | 53 | 53 | |
| 54 | 47 | 57 | 58 | 72 | 72 | 34 | 34 | 49 | 49 | 52 | 52 | |
| 53 | 46 | 56 | 57 | 71 | 71 | 33 | 33 | 48 | 48 | 51 | 51 | |
| 52 | 45 | 55 | 55 | 70 | 70 | 33 | 33 | 47 | 47 | 50 | 50 | |
| 51 | 44 | 54 | 54 | 69 | 69 | 32 | 32 | 46 | 46 | 49 | 49 | |
| 50 | 43 | 53 | 53 | 68 | 68 | 32 | 32 | 45 | 45 | 48 | 48 | |
| 49 | 43 | 53 | 51 | 67 | 67 | 31 | 31 | 44 | 44 | 47 | 47 | |
| 48 | 42 | 52 | 50 | 66 | 66 | 31 | 31 | 43 | 43 | 46 | 46 | |
| 47 | 41 | 51 | 47 | 65 | 65 | 30 | 30 | 42 | 42 | 45 | 45 | |
| 46 | 40 | 50 | 47 | 64 | 64 | 29 | 29 | 40 | 40 | 44 | 44 | |
| 45 | 39 | 49 | 46 | 63 | 63 | 29 | 29 | 39 | 39 | 43 | 43 | |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q | CAT (70 ED.) LEVEL 3 FORM A | ITBS (71 ED.) LEVEL 1/0 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|------------------------------------|-----------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 44 | 38 | 44 | 61 | 28 | 38 | 42 |
| 43 | 38 | 43 | 60 | 28 | 37 | 41 |
| 42 | 37 | 42 | 59 | 27 | 37 | 40 |
| 41 | 36 | 41 | 58 | 27 | 36 | 39 |
| 40 | 36 | 40 | 57 | 26 | 35 | 38 |
| 39 | 35 | 39 | 55 | 26 | 34 | 37 |
| 38 | 34 | 38 | 54 | 25 | 33 | 36 |
| 37 | 33 | 37 | 53 | 25 | 33 | 36 |
| 36 | 33 | 36 | 51 | 24 | 32 | 35 |
| 35 | 32 | 35 | 50 | 24 | 31 | 34 |
| 34 | 31 | 34 | 48 | 23 | 30 | 33 |
| 33 | 30 | 33 | 46 | 22 | 29 | 32 |
| 32 | 30 | 33 | 45 | 22 | 28 | 31 |
| 31 | 29 | 32 | 43 | 21 | 28 | 30 |
| 30 | 28 | 31 | 41 | 21 | 27 | 29 |
| 29 | 27 | 30 | 39 | 20 | 26 | 28 |
| 28 | 26 | 29 | 37 | 20 | 25 | 28 |
| 27 | 25 | 29 | 36 | 19 | 25 | 27 |
| 26 | 24 | 28 | 34 | 18 | 24 | 26 |
| 25 | 24 | 27 | 32 | 18 | 23 | 25 |
| 24 | 23 | 26 | 31 | 17 | 23 | 24 |
| 23 | 22 | 25 | 29 | 16 | 22 | 23 |
| 22 | 21 | 24 | 27 | 15 | 21 | 22 |
| 21 | 20 | 23 | 26 | 15 | 20 | 21 |
| 20 | 19 | 23 | 24 | 14 | 19 | 20 |
| 19 | 19 | 21 | 22 | 13 | 18 | 19 |
| 18 | 17 | 20 | 21 | 12 | 17 | 18 |
| 17 | 16 | 19 | 20 | 11 | 15 | 17 |
| 16 | 15 | 18 | 18 | 10 | 14 | 15 |
| 15 | 14 | 17 | 17 | 10 | 13 | 14 |
| 14 | 13 | 16 | 16 | 9 | 12 | 13 |
| 13 | 13 | 14 | 15 | 8 | 11 | 11 |
| 12 | 12 | 13 | 14 | 8 | 10 | 10 |
| 11 | 11 | 12 | 13 | 7 | 9 | 9 |
| 10 | 10 | 11 | 13 | 6 | 8 | 8 |
| 9 | 9 | 10 | 12 | 6 | 7 | 7 |
| 8 | 8 | 9 | 11 | 5 | 6 | 6 |
| 7 | 7 | 8 | 10 | 5 | 5 | 5 |
| 6 | 6 | 7 | 10 | 4 | 4 | 4 |
| 5 | 5 | 6 | 9 | 4 | 3 | 4 |
| 4 | 4 | 5 | 8 | 3 | 2 | 3 |

TABLE 121. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q | CAT (70 ED.) LEVEL 3 FORM A | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 3 | 4 | 4 | 8 | 2 | 1 | 2 |
| 2 | 3 | 3 | 7 | 2 | 0 | 1 |
| 1 | 2 | 2 | 6 | 1 | 0 | 0 |
| 0 | 1 | 1 | 5 | 1 | 0 | 0 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM C | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 106 | 91 | 84 | 95 | 60 | 90 | 98 | | | | | | |
| 105 | 81 | 84 | 95 | 60 | 89 | 97 | | | | | | |
| 104 | 80 | 83 | 95 | 59 | 89 | 96 | | | | | | |
| 103 | 80 | 83 | 94 | 59 | 88 | 95 | | | | | | |
| 102 | 79 | 82 | 94 | 58 | 87 | 94 | | | | | | |
| 101 | 79 | 82 | 94 | 58 | 87 | 93 | | | | | | |
| 100 | 79 | 81 | 93 | 57 | 86 | 92 | | | | | | |
| 99 | 78 | 81 | 93 | 57 | 85 | 91 | | | | | | |
| 98 | 78 | 80 | 93 | 56 | 85 | 90 | | | | | | |
| 97 | 77 | 80 | 92 | 56 | 84 | 89 | | | | | | |
| 96 | 76 | 79 | 92 | 55 | 83 | 88 | | | | | | |
| 95 | 75 | 79 | 92 | 55 | 82 | 87 | | | | | | |
| 94 | 74 | 78 | 91 | 54 | 82 | 86 | | | | | | |
| 93 | 73 | 77 | 91 | 54 | 81 | 85 | | | | | | |
| 92 | 72 | 77 | 91 | 53 | 80 | 83 | | | | | | |
| 91 | 71 | 76 | 90 | 53 | 80 | 82 | | | | | | |
| 90 | 70 | 75 | 90 | 52 | 79 | 81 | | | | | | |
| 89 | 69 | 75 | 89 | 51 | 78 | 80 | | | | | | |
| 88 | 68 | 74 | 89 | 51 | 77 | 79 | | | | | | |
| 87 | 68 | 73 | 88 | 50 | 76 | 78 | | | | | | |
| 86 | 67 | 73 | 88 | 50 | 75 | 77 | | | | | | |
| 85 | 66 | 72 | 88 | 49 | 74 | 76 | | | | | | |
| 84 | 65 | 72 | 87 | 48 | 73 | 75 | | | | | | |
| 83 | 64 | 71 | 87 | 48 | 72 | 74 | | | | | | |
| 82 | 63 | 70 | 86 | 47 | 71 | 73 | | | | | | |
| 81 | 63 | 70 | 86 | 47 | 71 | 72 | | | | | | |
| 80 | 62 | 69 | 85 | 46 | 70 | 71 | | | | | | |
| 79 | 61 | 69 | 85 | 46 | 69 | 71 | | | | | | |
| 78 | 60 | 68 | 85 | 45 | 68 | 70 | | | | | | |
| 77 | 60 | 67 | 84 | 44 | 67 | 69 | | | | | | |
| 76 | 59 | 67 | 84 | 44 | 66 | 68 | | | | | | |
| 75 | 58 | 66 | 83 | 43 | 65 | 67 | | | | | | |
| 74 | 57 | 65 | 83 | 43 | 64 | 66 | | | | | | |
| 73 | 57 | 65 | 82 | 42 | 63 | 65 | | | | | | |
| 72 | 56 | 64 | 81 | 42 | 62 | 64 | | | | | | |
| 71 | 55 | 63 | 81 | 41 | 61 | 63 | | | | | | |
| 70 | 55 | 62 | 80 | 40 | 60 | 62 | | | | | | |
| 69 | 54 | 62 | 80 | 40 | 59 | 61 | | | | | | |
| 68 | 53 | 61 | 79 | 39 | 58 | 60 | | | | | | |
| 67 | 52 | 60 | 78 | 39 | 57 | 59 | | | | | | |
| 66 | 52 | 59 | 78 | 38 | 56 | 58 | | | | | | |

TABLE 122. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTRS (68 ED.) LEVEL 2 FORM C TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|--|--|---|---|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | | | | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 65 | 51 | 59 | 77 | 37 | 56 | 57 | 57 | | |
| 64 | 51 | 58 | 76 | 37 | 55 | 57 | 57 | | |
| 63 | 50 | 58 | 76 | 37 | 54 | 56 | 56 | | |
| 62 | 49 | 57 | 75 | 36 | 53 | 55 | 55 | | |
| 61 | 49 | 56 | 74 | 36 | 52 | 54 | 54 | | |
| 60 | 48 | 55 | 74 | 35 | 51 | 53 | 53 | | |
| 59 | 47 | 55 | 73 | 35 | 50 | 52 | 52 | | |
| 58 | 47 | 54 | 72 | 34 | 49 | 51 | 51 | | |
| 57 | 46 | 53 | 72 | 34 | 48 | 50 | 50 | | |
| 56 | 45 | 53 | 71 | 33 | 47 | 49 | 49 | | |
| 55 | 45 | 52 | 70 | 33 | 46 | 48 | 48 | | |
| 54 | 44 | 51 | 70 | 32 | 45 | 47 | 47 | | |
| 53 | 44 | 50 | 69 | 32 | 44 | 46 | 46 | | |
| 52 | 43 | 50 | 68 | 32 | 43 | 45 | 45 | | |
| 51 | 43 | 49 | 67 | 31 | 42 | 44 | 44 | | |
| 50 | 42 | 48 | 66 | 31 | 41 | 43 | 43 | | |
| 49 | 41 | 47 | 65 | 30 | 40 | 42 | 42 | | |
| 48 | 41 | 47 | 65 | 30 | 41 | 43 | 43 | | |
| 47 | 40 | 46 | 64 | 30 | 41 | 42 | 42 | | |
| 46 | 39 | 45 | 63 | 29 | 40 | 41 | 41 | | |
| 45 | 39 | 45 | 62 | 29 | 39 | 40 | 40 | | |
| 44 | 38 | 44 | 61 | 28 | 38 | 39 | 39 | | |
| 43 | 38 | 43 | 60 | 28 | 37 | 38 | 38 | | |
| 42 | 37 | 42 | 59 | 27 | 37 | 37 | 37 | | |
| 41 | 36 | 41 | 58 | 27 | 36 | 36 | 36 | | |
| 40 | 35 | 40 | 57 | 26 | 35 | 35 | 35 | | |
| 39 | 35 | 39 | 56 | 26 | 34 | 34 | 34 | | |
| 38 | 34 | 38 | 54 | 25 | 34 | 33 | 33 | | |
| 37 | 33 | 37 | 53 | 25 | 33 | 32 | 32 | | |
| 36 | 33 | 36 | 51 | 24 | 32 | 31 | 31 | | |
| 35 | 32 | 35 | 49 | 23 | 31 | 30 | 30 | | |
| 34 | 31 | 34 | 48 | 23 | 30 | 29 | 29 | | |
| 33 | 30 | 33 | 46 | 22 | 29 | 28 | 28 | | |
| 32 | 29 | 31 | 43 | 22 | 28 | 27 | 27 | | |
| 31 | 28 | 30 | 41 | 21 | 27 | 26 | 26 | | |
| 30 | 27 | 29 | 39 | 20 | 26 | 25 | 25 | | |
| 29 | 26 | 28 | 37 | 19 | 25 | 24 | 24 | | |
| 28 | 25 | 26 | 34 | 18 | 24 | 23 | 23 | | |
| 27 | 24 | 25 | 32 | 18 | 23 | 22 | 22 | | |
| 26 | 22 | 24 | 30 | 17 | 22 | 21 | 21 | | |
| 25 | 21 | 23 | 28 | 16 | 21 | 20 | 20 | | |

TABLE 122. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CYBS (68 ED.) LEVEL 2 FORM 0 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE 1 FORM M | |
|--|--|---|---|---------------------------------------|---------------|--------------------------------|---------------|--|---------------|
| | | | | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING |
| 24 | 20 | 22 | 27 | 15 | 20 | 22 | 22 | | |
| 23 | 19 | 21 | 25 | 14 | 19 | 21 | 21 | | |
| 22 | 18 | 20 | 23 | 14 | 18 | 20 | 20 | | |
| 21 | 17 | 19 | 22 | 13 | 17 | 19 | 19 | | |
| 20 | 17 | 18 | 21 | 12 | 16 | 18 | 18 | | |
| 19 | 16 | 17 | 19 | 11 | 15 | 16 | 16 | | |
| 18 | 15 | 16 | 19 | 10 | 14 | 15 | 15 | | |
| 17 | 14 | 15 | 17 | 9 | 13 | 14 | 14 | | |
| 16 | 14 | 14 | 16 | 9 | 12 | 13 | 13 | | |
| 15 | 13 | 14 | 15 | 9 | 12 | 12 | 12 | | |
| 14 | 13 | 13 | 15 | 8 | 11 | 11 | 11 | | |
| 13 | 12 | 12 | 14 | 8 | 10 | 10 | 10 | | |
| 12 | 11 | 11 | 13 | 7 | 9 | 9 | 9 | | |
| 11 | 10 | 10 | 13 | 6 | 8 | 8 | 8 | | |
| 10 | 9 | 9 | 12 | 6 | 7 | 7 | 7 | | |
| 9 | 8 | 8 | 11 | 5 | 6 | 6 | 6 | | |
| 8 | 7 | 7 | 10 | 5 | 5 | 5 | 5 | | |
| 7 | 6 | 6 | 10 | 4 | 4 | 4 | 4 | | |
| 6 | 5 | 5 | 9 | 4 | 3 | 3 | 3 | | |
| 5 | 4 | 4 | 8 | 3 | 2 | 2 | 2 | | |
| 4 | 3 | 3 | 8 | 2 | 1 | 1 | 1 | | |
| 3 | 2 | 2 | 7 | 2 | 0 | 0 | 0 | | |
| 2 | 1 | 1 | 6 | 1 | 0 | 0 | 0 | | |
| 1 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | | |
| 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1. EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | | CTBS (68 ED.) LEVEL 2 FORM C TOTAL READING | | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | | SRA (71 ED.) BLUE FORM E TOTAL READING | | SAT (64 ED.) INTERMEDIATE 1 FORM W TOTAL READING | |
|---|--|------------------|---|------------------|--|------------------|--|------------------|---|------------------|---|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 95 | 81 | 84 | 105 | 60 | 89 | 97 | | | | | | |
| 94 | 79 | 82 | 102 | 58 | 87 | 94 | | | | | | |
| 93 | 78 | 81 | 99 | 57 | 85 | 91 | | | | | | |
| 92 | 76 | 79 | 96 | 55 | 83 | 88 | | | | | | |
| 91 | 73 | 78 | 93 | 54 | 81 | 85 | | | | | | |
| 90 | 71 | 76 | 91 | 52 | 79 | 82 | | | | | | |
| 89 | 69 | 74 | 89 | 51 | 77 | 79 | | | | | | |
| 88 | 67 | 73 | 86 | 50 | 75 | 77 | | | | | | |
| 87 | 65 | 71 | 84 | 48 | 73 | 75 | | | | | | |
| 86 | 63 | 70 | 81 | 47 | 71 | 73 | | | | | | |
| 85 | 61 | 69 | 79 | 46 | 69 | 71 | | | | | | |
| 84 | 60 | 67 | 77 | 44 | 67 | 69 | | | | | | |
| 83 | 58 | 66 | 75 | 43 | 65 | 67 | | | | | | |
| 82 | 57 | 65 | 73 | 42 | 63 | 65 | | | | | | |
| 81 | 56 | 63 | 71 | 41 | 62 | 63 | | | | | | |
| 80 | 54 | 62 | 70 | 40 | 60 | 61 | | | | | | |
| 79 | 53 | 61 | 68 | 39 | 58 | 60 | | | | | | |
| 78 | 52 | 60 | 67 | 38 | 57 | 59 | | | | | | |
| 77 | 51 | 59 | 65 | 37 | 56 | 57 | | | | | | |
| 76 | 50 | 58 | 63 | 37 | 54 | 56 | | | | | | |
| 75 | 49 | 57 | 62 | 36 | 53 | 55 | | | | | | |
| 74 | 48 | 56 | 60 | 35 | 52 | 54 | | | | | | |
| 73 | 47 | 55 | 59 | 35 | 50 | 53 | | | | | | |
| 72 | 46 | 54 | 58 | 34 | 49 | 52 | | | | | | |
| 71 | 45 | 53 | 56 | 33 | 48 | 51 | | | | | | |
| 70 | 44 | 52 | 55 | 33 | 47 | 50 | | | | | | |
| 69 | 43 | 51 | 53 | 32 | 46 | 49 | | | | | | |
| 68 | 43 | 50 | 52 | 32 | 45 | 48 | | | | | | |
| 67 | 42 | 49 | 51 | 31 | 44 | 47 | | | | | | |
| 66 | 42 | 48 | 50 | 31 | 43 | 46 | | | | | | |
| 65 | 41 | 47 | 48 | 30 | 42 | 45 | | | | | | |
| 64 | 40 | 46 | 47 | 30 | 41 | 44 | | | | | | |
| 63 | 39 | 46 | 46 | 29 | 40 | 43 | | | | | | |
| 62 | 39 | 45 | 45 | 29 | 39 | 42 | | | | | | |
| 61 | 38 | 44 | 44 | 28 | 38 | 42 | | | | | | |
| 60 | 38 | 43 | 43 | 28 | 37 | 41 | | | | | | |
| 59 | 37 | 42 | 42 | 27 | 37 | 40 | | | | | | |
| 58 | 36 | 41 | 41 | 27 | 36 | 39 | | | | | | |
| 57 | 36 | 40 | 40 | 26 | 35 | 39 | | | | | | |
| 56 | 35 | 40 | 39 | 26 | 35 | 38 | | | | | | |
| 55 | 35 | 39 | 39 | 25 | 34 | 37 | | | | | | |

TABLE 123. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 FOITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM E TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTBS (68 ED.) LEVEL 2 FORM 2 TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM N TOTAL READING |
|---|--|---|--|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 54 | 38 | 38 | 38 | 25 | 33 | 36 |
| 53 | 37 | 37 | 37 | 25 | 33 | 36 |
| 52 | 36 | 36 | 36 | 24 | 32 | 35 |
| 51 | 35 | 35 | 35 | 24 | 32 | 34 |
| 50 | 35 | 35 | 35 | 24 | 31 | 34 |
| 49 | 35 | 35 | 35 | 23 | 30 | 33 |
| 48 | 34 | 34 | 34 | 23 | 30 | 33 |
| 47 | 33 | 33 | 34 | 23 | 29 | 32 |
| 46 | 33 | 33 | 33 | 22 | 29 | 32 |
| 45 | 32 | 32 | 33 | 22 | 29 | 31 |
| 44 | 32 | 32 | 32 | 22 | 28 | 31 |
| 43 | 31 | 31 | 32 | 21 | 28 | 30 |
| 42 | 31 | 31 | 31 | 21 | 27 | 30 |
| 41 | 30 | 31 | 31 | 21 | 27 | 29 |
| 40 | 30 | 30 | 31 | 20 | 26 | 29 |
| 39 | 29 | 29 | 30 | 20 | 26 | 28 |
| 38 | 28 | 28 | 30 | 20 | 26 | 28 |
| 37 | 28 | 28 | 29 | 19 | 25 | 27 |
| 36 | 27 | 27 | 29 | 19 | 25 | 27 |
| 35 | 27 | 27 | 28 | 19 | 25 | 26 |
| 34 | 26 | 26 | 28 | 18 | 24 | 26 |
| 33 | 25 | 25 | 27 | 18 | 24 | 25 |
| 32 | 25 | 25 | 27 | 17 | 23 | 25 |
| 31 | 24 | 24 | 26 | 17 | 23 | 24 |
| 30 | 24 | 24 | 26 | 17 | 22 | 24 |
| 29 | 23 | 23 | 25 | 16 | 22 | 23 |
| 28 | 22 | 22 | 25 | 16 | 22 | 23 |
| 27 | 22 | 22 | 24 | 15 | 21 | 22 |
| 26 | 21 | 21 | 24 | 15 | 20 | 21 |
| 25 | 21 | 21 | 23 | 14 | 19 | 21 |
| 24 | 20 | 20 | 23 | 14 | 19 | 20 |
| 23 | 19 | 19 | 22 | 13 | 18 | 19 |
| 22 | 19 | 19 | 21 | 13 | 18 | 19 |
| 21 | 18 | 18 | 20 | 12 | 17 | 18 |
| 20 | 17 | 17 | 20 | 12 | 16 | 17 |
| 19 | 17 | 17 | 19 | 11 | 15 | 16 |
| 18 | 16 | 16 | 18 | 10 | 14 | 15 |
| 17 | 15 | 15 | 17 | 9 | 13 | 14 |
| 16 | 14 | 14 | 16 | 9 | 12 | 13 |
| 15 | 13 | 13 | 14 | 8 | 12 | 12 |
| 14 | 12 | 12 | 13 | 8 | 10 | 11 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1. EQUIPERCENTILE METHOD

| MAT (70 ED.) | | CAT (70 ED.) | | CTBS (68 ED.) | | TTBS (71 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|----------------|------------------|
| ELEMENTARY | | LEVEL 3 | | LEVEL 2 | | LEVEL 10 | | LEVEL 4 | | BLUE | | INTERMEDIATE I | |
| FORM F | | FORM A | | FORM C | | FORM 5 | | FORM A | | FORM E | | FORM W | |
| TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 13 | 11 | 11 | 12 | 7 | 9 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 9 |
| 12 | 10 | 9 | 10 | 10 | 10 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 |
| 11 | 8 | 8 | 9 | 9 | 9 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 |
| 10 | 7 | 5 | 7 | 7 | 7 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| 9 | 6 | 5 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 8 | 4 | 4 | 5 | 5 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 7 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 6 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE I, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTRS (68 ED.) LEVEL 2 FORM C TOTAL READING | ITRS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|--|--|---|--|---|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 60 | 91 | 84 | 106 | 95 | 90 | 98 |
| 59 | 90 | 83 | 104 | 95 | 89 | 96 |
| 58 | 79 | 82 | 102 | 94 | 87 | 94 |
| 57 | 78 | 81 | 100 | 93 | 85 | 92 |
| 56 | 78 | 80 | 98 | 93 | 84 | 90 |
| 55 | 76 | 79 | 96 | 92 | 83 | 88 |
| 54 | 74 | 76 | 94 | 91 | 82 | 86 |
| 53 | 72 | 77 | 92 | 91 | 80 | 83 |
| 52 | 71 | 76 | 90 | 90 | 79 | 81 |
| 51 | 69 | 74 | 89 | 89 | 77 | 80 |
| 50 | 67 | 73 | 87 | 88 | 76 | 79 |
| 49 | 66 | 72 | 85 | 88 | 74 | 76 |
| 48 | 65 | 71 | 84 | 87 | 73 | 75 |
| 47 | 63 | 70 | 82 | 86 | 71 | 73 |
| 46 | 62 | 69 | 80 | 85 | 70 | 71 |
| 45 | 60 | 68 | 78 | 85 | 68 | 70 |
| 44 | 59 | 67 | 76 | 84 | 67 | 68 |
| 43 | 58 | 66 | 75 | 83 | 65 | 66 |
| 42 | 57 | 65 | 73 | 82 | 63 | 64 |
| 41 | 55 | 63 | 71 | 81 | 61 | 63 |
| 40 | 54 | 62 | 70 | 80 | 60 | 61 |
| 39 | 53 | 61 | 68 | 79 | 58 | 60 |
| 38 | 52 | 60 | 66 | 78 | 57 | 58 |
| 37 | 51 | 58 | 64 | 76 | 55 | 57 |
| 36 | 49 | 57 | 62 | 75 | 53 | 55 |
| 35 | 48 | 55 | 60 | 74 | 51 | 54 |
| 34 | 47 | 54 | 58 | 72 | 49 | 52 |
| 33 | 45 | 52 | 56 | 71 | 48 | 51 |
| 32 | 44 | 51 | 53 | 69 | 46 | 49 |
| 31 | 42 | 49 | 51 | 67 | 44 | 47 |
| 30 | 41 | 47 | 48 | 65 | 42 | 45 |
| 29 | 39 | 45 | 46 | 63 | 40 | 43 |
| 28 | 38 | 44 | 44 | 61 | 38 | 41 |
| 27 | 37 | 42 | 42 | 59 | 36 | 40 |
| 26 | 35 | 40 | 40 | 56 | 35 | 38 |
| 25 | 34 | 38 | 38 | 54 | 33 | 36 |
| 24 | 33 | 36 | 36 | 52 | 32 | 35 |
| 23 | 31 | 34 | 34 | 48 | 30 | 33 |
| 22 | 30 | 32 | 33 | 45 | 29 | 31 |
| 21 | 28 | 30 | 31 | 42 | 27 | 30 |
| 20 | 27 | 29 | 30 | 39 | 26 | 28 |

SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTRS (68 ED.) LEVEL 2 FORM C TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|--|--|---|--|---|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 19 | 25 | 27 | 29 | 36 | 25 | 27 |
| 18 | 24 | 26 | 28 | 34 | 24 | 26 |
| 17 | 23 | 24 | 27 | 31 | 23 | 25 |
| 16 | 22 | 23 | 25 | 29 | 22 | 23 |
| 15 | 20 | 22 | 24 | 27 | 20 | 22 |
| 14 | 19 | 20 | 23 | 24 | 19 | 20 |
| 13 | 17 | 19 | 21 | 22 | 18 | 19 |
| 12 | 17 | 18 | 20 | 21 | 16 | 18 |
| 11 | 16 | 17 | 19 | 19 | 15 | 17 |
| 10 | 15 | 16 | 18 | 18 | 14 | 15 |
| 9 | 14 | 14 | 16 | 16 | 13 | 13 |
| 8 | 13 | 13 | 14 | 15 | 11 | 11 |
| 7 | 11 | 11 | 12 | 13 | 9 | 9 |
| 6 | 10 | 9 | 10 | 12 | 8 | 8 |
| 5 | 8 | 8 | 9 | 11 | 6 | 6 |
| 4 | 6 | 6 | 7 | 10 | 4 | 5 |
| 3 | 5 | 4 | 5 | 8 | 2 | 3 |
| 2 | 3 | 2 | 3 | 7 | 0 | 1 |
| 1 | 2 | 1 | 2 | 6 | 0 | 0 |
| 0 | 0 | 0 | 0 | 5 | 0 | 0 |

TABLE 125. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTRS (69 ED.) LEVEL 2 FORM C TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|---|--|---|--|---|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 90 | 91 | 94 | 106 | 95 | 60 | 98 |
| 89 | 91 | 83 | 104 | 95 | 59 | 96 |
| 89 | 80 | 83 | 103 | 94 | 59 | 95 |
| 87 | 75 | 82 | 102 | 94 | 58 | 94 |
| 86 | 79 | 81 | 100 | 93 | 57 | 92 |
| 85 | 78 | 81 | 99 | 93 | 56 | 91 |
| 84 | 77 | 80 | 97 | 93 | 56 | 89 |
| 83 | 76 | 79 | 96 | 92 | 55 | 88 |
| 82 | 74 | 78 | 95 | 91 | 54 | 87 |
| 81 | 73 | 77 | 93 | 91 | 54 | 85 |
| 80 | 72 | 77 | 92 | 90 | 53 | 83 |
| 79 | 71 | 76 | 91 | 90 | 52 | 81 |
| 78 | 70 | 75 | 90 | 89 | 52 | 80 |
| 77 | 69 | 74 | 88 | 89 | 51 | 79 |
| 76 | 68 | 74 | 87 | 89 | 50 | 78 |
| 75 | 67 | 73 | 86 | 88 | 50 | 77 |
| 74 | 66 | 72 | 85 | 88 | 49 | 76 |
| 73 | 65 | 71 | 84 | 87 | 48 | 75 |
| 72 | 64 | 71 | 83 | 87 | 48 | 74 |
| 71 | 63 | 70 | 82 | 86 | 47 | 73 |
| 70 | 62 | 69 | 80 | 86 | 46 | 72 |
| 69 | 61 | 69 | 79 | 85 | 46 | 71 |
| 68 | 60 | 68 | 78 | 85 | 45 | 70 |
| 67 | 60 | 67 | 77 | 84 | 44 | 69 |
| 66 | 59 | 67 | 76 | 84 | 44 | 68 |
| 65 | 58 | 66 | 75 | 83 | 43 | 67 |
| 64 | 57 | 65 | 74 | 83 | 43 | 66 |
| 63 | 57 | 65 | 73 | 82 | 42 | 65 |
| 62 | 56 | 64 | 72 | 81 | 42 | 64 |
| 61 | 55 | 63 | 71 | 81 | 41 | 63 |
| 60 | 54 | 62 | 70 | 80 | 40 | 62 |
| 59 | 54 | 62 | 69 | 79 | 40 | 61 |
| 58 | 53 | 61 | 68 | 79 | 39 | 60 |
| 57 | 52 | 60 | 67 | 78 | 38 | 59 |
| 56 | 52 | 59 | 66 | 77 | 38 | 58 |
| 55 | 51 | 58 | 64 | 77 | 37 | 57 |
| 54 | 50 | 58 | 63 | 76 | 37 | 56 |
| 53 | 49 | 57 | 62 | 75 | 36 | 55 |
| 52 | 49 | 56 | 61 | 74 | 36 | 55 |
| 51 | 48 | 55 | 60 | 74 | 35 | 54 |
| 50 | 47 | 55 | 59 | 73 | 34 | 53 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTBS (68 ED.) LEVEL 2 FORM Q TOTAL READING | ITRS (70 ED.) LEVEL 10 FORM S TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|-----------|--|---|--|---|--|---|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 49 | 54 | 58 | 72 | 34 | 52 | |
| 48 | 53 | 56 | 71 | 33 | 51 | |
| 47 | 52 | 55 | 70 | 33 | 50 | |
| 46 | 51 | 54 | 70 | 32 | 49 | |
| 45 | 50 | 53 | 69 | 32 | 48 | |
| 44 | 49 | 51 | 68 | 31 | 47 | |
| 43 | 48 | 50 | 67 | 31 | 46 | |
| 42 | 47 | 49 | 65 | 30 | 45 | |
| 41 | 46 | 48 | 64 | 30 | 44 | |
| 40 | 46 | 46 | 63 | 29 | 43 | |
| 39 | 45 | 45 | 62 | 29 | 43 | |
| 38 | 44 | 44 | 61 | 28 | 42 | |
| 37 | 43 | 42 | 60 | 28 | 41 | |
| 36 | 41 | 41 | 58 | 27 | 39 | |
| 35 | 40 | 40 | 57 | 26 | 38 | |
| 34 | 39 | 39 | 55 | 25 | 37 | |
| 33 | 38 | 38 | 54 | 25 | 36 | |
| 32 | 36 | 36 | 52 | 24 | 35 | |
| 31 | 35 | 35 | 50 | 24 | 34 | |
| 30 | 34 | 34 | 49 | 23 | 33 | |
| 29 | 33 | 33 | 46 | 22 | 32 | |
| 28 | 32 | 32 | 44 | 22 | 31 | |
| 27 | 31 | 31 | 42 | 21 | 29 | |
| 26 | 29 | 30 | 39 | 20 | 28 | |
| 25 | 27 | 29 | 36 | 19 | 27 | |
| 24 | 26 | 28 | 34 | 18 | 26 | |
| 23 | 25 | 27 | 32 | 17 | 25 | |
| 22 | 23 | 26 | 30 | 16 | 24 | |
| 21 | 22 | 25 | 28 | 16 | 23 | |
| 20 | 21 | 24 | 26 | 15 | 21 | |
| 19 | 20 | 23 | 24 | 14 | 20 | |
| 18 | 19 | 22 | 23 | 13 | 19 | |
| 17 | 18 | 21 | 21 | 13 | 18 | |
| 16 | 18 | 20 | 20 | 12 | 17 | |
| 15 | 17 | 19 | 19 | 11 | 16 | |
| 14 | 16 | 18 | 18 | 10 | 15 | |
| 13 | 15 | 17 | 17 | 9 | 13 | |
| 12 | 14 | 16 | 16 | 9 | 12 | |
| 11 | 13 | 15 | 15 | 8 | 11 | |
| 10 | 12 | 14 | 14 | 7 | 10 | |
| 9 | 11 | 13 | 13 | 7 | 9 | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | | CTBS (68 ED.) LEVEL 2 FORM Q TOTAL READING | | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | | SAT (64 ED.) INTERMEDIATE 1 FORM W TOTAL READING | |
|---|--|------------------|---|------------------|--|------------------|---|------------------|--|------------------|---|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 8 | 10 | 11 | 12 | 6 | 8 | | | | | | | |
| 7 | 9 | 10 | 12 | 6 | 7 | | | | | | | |
| 6 | 8 | 9 | 11 | 5 | 6 | | | | | | | |
| 5 | 7 | 8 | 10 | 5 | 5 | | | | | | | |
| 4 | 6 | 7 | 10 | 4 | 5 | | | | | | | |
| 3 | 5 | 6 | 9 | 4 | 4 | | | | | | | |
| 2 | 4 | 5 | 8 | 3 | 3 | | | | | | | |
| 1 | 3 | 4 | 8 | 2 | 2 | | | | | | | |
| 0 | 2 | 3 | 7 | 1 | 1 | | | | | | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| RAW SCORE | SAT (64 ED.) INTERMEDIATE I FORM W | | CAT (70 ED.) LEVEL 3 FORM A | | CT95 (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|-----------|------------------------------------|------------------|-----------------------------|------------------|------------------------------|------------------|-------------------------------|------------------|--------------------------------|------------------|---------------------------------|------------------|--------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 98 | 81 | 84 | 106 | 95 | 95 | 60 | 90 | 80 | 85 | 60 | 90 | | | |
| 97 | 81 | 84 | 105 | 95 | 95 | 60 | 89 | 80 | 85 | 60 | 89 | | | |
| 96 | 80 | 83 | 104 | 95 | 95 | 59 | 89 | 79 | 85 | 59 | 89 | | | |
| 95 | 80 | 83 | 103 | 94 | 94 | 59 | 88 | 78 | 85 | 59 | 88 | | | |
| 94 | 79 | 82 | 102 | 94 | 94 | 58 | 87 | 77 | 85 | 58 | 87 | | | |
| 93 | 79 | 82 | 101 | 94 | 94 | 58 | 87 | 76 | 85 | 58 | 87 | | | |
| 92 | 79 | 81 | 100 | 93 | 93 | 57 | 86 | 75 | 85 | 57 | 86 | | | |
| 91 | 78 | 81 | 99 | 93 | 93 | 57 | 85 | 74 | 85 | 57 | 85 | | | |
| 90 | 78 | 80 | 98 | 93 | 93 | 56 | 85 | 73 | 85 | 56 | 85 | | | |
| 89 | 76 | 80 | 97 | 92 | 92 | 55 | 84 | 72 | 85 | 55 | 84 | | | |
| 88 | 75 | 79 | 96 | 92 | 92 | 55 | 83 | 71 | 85 | 55 | 83 | | | |
| 87 | 75 | 78 | 95 | 92 | 92 | 54 | 82 | 70 | 85 | 54 | 82 | | | |
| 86 | 74 | 78 | 94 | 91 | 91 | 54 | 82 | 69 | 85 | 54 | 82 | | | |
| 85 | 73 | 78 | 93 | 91 | 91 | 54 | 81 | 68 | 85 | 54 | 81 | | | |
| 84 | 73 | 77 | 92 | 91 | 91 | 53 | 81 | 67 | 85 | 53 | 81 | | | |
| 83 | 72 | 77 | 92 | 90 | 90 | 53 | 80 | 66 | 85 | 53 | 80 | | | |
| 82 | 71 | 76 | 91 | 90 | 90 | 53 | 80 | 65 | 85 | 53 | 80 | | | |
| 81 | 70 | 76 | 90 | 90 | 90 | 52 | 79 | 64 | 85 | 52 | 79 | | | |
| 80 | 69 | 75 | 89 | 89 | 89 | 51 | 78 | 63 | 85 | 51 | 78 | | | |
| 79 | 69 | 74 | 88 | 89 | 89 | 51 | 77 | 62 | 85 | 51 | 77 | | | |
| 78 | 68 | 73 | 87 | 88 | 88 | 50 | 76 | 61 | 85 | 50 | 76 | | | |
| 77 | 67 | 73 | 86 | 88 | 88 | 49 | 75 | 60 | 85 | 49 | 75 | | | |
| 76 | 66 | 72 | 85 | 88 | 88 | 49 | 74 | 59 | 85 | 49 | 74 | | | |
| 75 | 65 | 71 | 84 | 87 | 87 | 48 | 73 | 58 | 85 | 48 | 73 | | | |
| 74 | 64 | 71 | 83 | 87 | 87 | 48 | 72 | 57 | 85 | 48 | 72 | | | |
| 73 | 63 | 70 | 82 | 86 | 86 | 47 | 71 | 56 | 85 | 47 | 71 | | | |
| 72 | 62 | 69 | 81 | 86 | 86 | 46 | 70 | 55 | 85 | 46 | 70 | | | |
| 71 | 62 | 69 | 80 | 85 | 85 | 46 | 69 | 54 | 85 | 46 | 69 | | | |
| 70 | 61 | 68 | 79 | 85 | 85 | 45 | 68 | 53 | 85 | 45 | 68 | | | |
| 69 | 60 | 68 | 77 | 84 | 84 | 45 | 68 | 52 | 85 | 45 | 68 | | | |
| 68 | 59 | 67 | 76 | 84 | 84 | 44 | 67 | 51 | 85 | 44 | 67 | | | |
| 67 | 58 | 66 | 75 | 83 | 83 | 44 | 66 | 50 | 85 | 44 | 66 | | | |
| 66 | 58 | 66 | 74 | 83 | 83 | 43 | 66 | 49 | 85 | 44 | 66 | | | |
| 65 | 57 | 65 | 73 | 82 | 82 | 43 | 65 | 48 | 85 | 43 | 65 | | | |
| 64 | 56 | 64 | 72 | 82 | 82 | 42 | 64 | 47 | 85 | 42 | 64 | | | |
| 63 | 56 | 63 | 71 | 81 | 81 | 41 | 63 | 46 | 85 | 41 | 63 | | | |
| 62 | 55 | 63 | 70 | 80 | 80 | 41 | 61 | 45 | 85 | 41 | 61 | | | |
| 61 | 54 | 62 | 69 | 80 | 80 | 40 | 61 | 44 | 85 | 40 | 61 | | | |
| 60 | 53 | 61 | 68 | 79 | 79 | 39 | 60 | 43 | 85 | 39 | 60 | | | |
| 59 | 52 | 60 | 67 | 78 | 78 | 39 | 59 | 42 | 85 | 39 | 59 | | | |
| 58 | 52 | 60 | 66 | 78 | 78 | 38 | 58 | 41 | 85 | 38 | 58 | | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|--|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 57 | 51 | 58 | 64 | 77 | 77 | 37 | 37 | 37 | 55 | | | |
| 56 | 50 | 58 | 63 | 76 | 76 | 36 | 36 | 36 | 54 | | | |
| 55 | 49 | 57 | 62 | 75 | 75 | 35 | 35 | 35 | 53 | | | |
| 54 | 48 | 56 | 60 | 74 | 74 | 34 | 34 | 34 | 51 | | | |
| 53 | 47 | 55 | 59 | 73 | 73 | 33 | 33 | 33 | 50 | | | |
| 52 | 46 | 54 | 58 | 72 | 72 | 32 | 32 | 32 | 49 | | | |
| 51 | 45 | 53 | 56 | 71 | 71 | 31 | 31 | 31 | 48 | | | |
| 50 | 45 | 52 | 55 | 70 | 70 | 30 | 30 | 30 | 47 | | | |
| 49 | 44 | 51 | 54 | 69 | 69 | 29 | 29 | 29 | 46 | | | |
| 49 | 43 | 50 | 53 | 68 | 68 | 28 | 28 | 28 | 45 | | | |
| 47 | 43 | 49 | 51 | 67 | 67 | 27 | 27 | 27 | 44 | | | |
| 46 | 42 | 48 | 50 | 66 | 66 | 26 | 26 | 26 | 43 | | | |
| 45 | 41 | 47 | 49 | 65 | 65 | 25 | 25 | 25 | 42 | | | |
| 44 | 40 | 46 | 47 | 64 | 64 | 24 | 24 | 24 | 41 | | | |
| 43 | 39 | 45 | 46 | 63 | 63 | 23 | 23 | 23 | 40 | | | |
| 42 | 38 | 44 | 44 | 62 | 62 | 22 | 22 | 22 | 39 | | | |
| 41 | 38 | 43 | 43 | 60 | 60 | 21 | 21 | 21 | 37 | | | |
| 40 | 37 | 42 | 42 | 59 | 59 | 20 | 20 | 20 | 37 | | | |
| 39 | 36 | 41 | 41 | 58 | 58 | 19 | 19 | 19 | 36 | | | |
| 38 | 35 | 40 | 39 | 56 | 56 | 18 | 18 | 18 | 35 | | | |
| 37 | 35 | 39 | 38 | 55 | 55 | 17 | 17 | 17 | 34 | | | |
| 36 | 34 | 38 | 38 | 54 | 54 | 16 | 16 | 16 | 33 | | | |
| 35 | 33 | 36 | 37 | 52 | 52 | 15 | 15 | 15 | 32 | | | |
| 34 | 32 | 35 | 36 | 50 | 50 | 14 | 14 | 14 | 31 | | | |
| 33 | 31 | 34 | 35 | 49 | 49 | 13 | 13 | 13 | 30 | | | |
| 32 | 30 | 33 | 34 | 47 | 47 | 12 | 12 | 12 | 29 | | | |
| 31 | 30 | 32 | 33 | 45 | 45 | 11 | 11 | 11 | 28 | | | |
| 30 | 29 | 31 | 32 | 43 | 43 | 10 | 10 | 10 | 28 | | | |
| 29 | 30 | 30 | 31 | 41 | 41 | 9 | 9 | 9 | 27 | | | |
| 28 | 29 | 29 | 30 | 39 | 39 | 8 | 8 | 8 | 26 | | | |
| 27 | 26 | 28 | 29 | 36 | 36 | 7 | 7 | 7 | 25 | | | |
| 26 | 25 | 26 | 28 | 34 | 34 | 6 | 6 | 6 | 24 | | | |
| 25 | 24 | 25 | 27 | 32 | 32 | 5 | 5 | 5 | 23 | | | |
| 24 | 22 | 24 | 26 | 30 | 30 | 4 | 4 | 4 | 22 | | | |
| 23 | 22 | 23 | 25 | 29 | 29 | 3 | 3 | 3 | 21 | | | |
| 22 | 21 | 22 | 24 | 27 | 27 | 2 | 2 | 2 | 21 | | | |
| 21 | 20 | 21 | 23 | 26 | 26 | 1 | 1 | 1 | 20 | | | |
| 20 | 19 | 20 | 23 | 24 | 24 | 0 | 0 | 0 | 19 | | | |
| 19 | 18 | 19 | 22 | 23 | 23 | 0 | 0 | 0 | 18 | | | |
| 18 | 17 | 18 | 21 | 21 | 21 | 0 | 0 | 0 | 17 | | | |
| 17 | 16 | 17 | 20 | 20 | 20 | 0 | 0 | 0 | 16 | | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 1, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W | CAT (70 ED.) LEVEL 2 FORM A | | CIBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (67 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|--|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 16 | 15 | 16 | 19 | 19 | 19 | 19 | 19 | 19 | 11 | 11 | 15 | 15 |
| 15 | 15 | 16 | 18 | 18 | 18 | 18 | 18 | 18 | 10 | 10 | 14 | 14 |
| 14 | 14 | 15 | 17 | 17 | 17 | 17 | 17 | 17 | 10 | 10 | 13 | 13 |
| 13 | 14 | 14 | 16 | 16 | 16 | 16 | 16 | 16 | 9 | 9 | 13 | 13 |
| 12 | 13 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 9 | 9 | 12 | 12 |
| 11 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 8 | 8 | 11 | 11 |
| 10 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 7 | 7 | 10 | 10 |
| 9 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 7 | 7 | 9 | 9 |
| 8 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 6 | 6 | 8 | 8 |
| 7 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 6 | 6 | 7 | 7 |
| 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 5 | 5 | 6 | 6 |
| 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 4 | 5 | 5 |
| 4 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | 4 | 3 | 3 |
| 3 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 2 | 2 |
| 2 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 2 | 1 | 1 |
| 1 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 0 | 0 |
| 0 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 0 | 0 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| CAI (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM Q | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 82 | 92 | 106 | 116 | 61 | 92 | 93 |
| 81 | 91 | 105 | 115 | 60 | 90 | 92 |
| 80 | 90 | 103 | 113 | 60 | 89 | 91 |
| 79 | 89 | 102 | 112 | 59 | 88 | 90 |
| 78 | 87 | 100 | 110 | 58 | 87 | 89 |
| 77 | 86 | 99 | 109 | 57 | 86 | 88 |
| 76 | 85 | 98 | 108 | 57 | 85 | 86 |
| 75 | 84 | 96 | 106 | 56 | 83 | 85 |
| 74 | 83 | 95 | 105 | 55 | 82 | 84 |
| 73 | 82 | 94 | 104 | 54 | 81 | 83 |
| 72 | 81 | 92 | 102 | 54 | 80 | 82 |
| 71 | 80 | 91 | 101 | 53 | 79 | 80 |
| 70 | 78 | 89 | 100 | 52 | 77 | 79 |
| 69 | 77 | 88 | 98 | 51 | 76 | 78 |
| 68 | 76 | 87 | 97 | 51 | 75 | 77 |
| 67 | 75 | 85 | 95 | 50 | 74 | 76 |
| 66 | 74 | 84 | 94 | 49 | 73 | 75 |
| 65 | 73 | 83 | 93 | 48 | 72 | 73 |
| 64 | 72 | 81 | 91 | 48 | 70 | 72 |
| 63 | 71 | 80 | 90 | 47 | 69 | 71 |
| 62 | 69 | 78 | 89 | 46 | 68 | 70 |
| 61 | 68 | 77 | 87 | 45 | 67 | 69 |
| 60 | 67 | 76 | 86 | 45 | 66 | 68 |
| 59 | 66 | 74 | 85 | 44 | 64 | 66 |
| 58 | 65 | 73 | 83 | 43 | 63 | 65 |
| 57 | 64 | 72 | 82 | 42 | 62 | 64 |
| 56 | 63 | 70 | 80 | 42 | 61 | 63 |
| 55 | 62 | 69 | 79 | 41 | 60 | 62 |
| 54 | 60 | 67 | 78 | 40 | 59 | 60 |
| 53 | 59 | 66 | 76 | 39 | 57 | 59 |
| 52 | 58 | 65 | 75 | 39 | 56 | 58 |
| 51 | 57 | 63 | 74 | 38 | 55 | 57 |
| 50 | 56 | 62 | 72 | 37 | 54 | 56 |
| 49 | 55 | 61 | 71 | 36 | 53 | 55 |
| 48 | 54 | 59 | 69 | 36 | 52 | 53 |
| 47 | 53 | 58 | 68 | 35 | 50 | 52 |
| 46 | 51 | 56 | 67 | 34 | 49 | 51 |
| 45 | 50 | 55 | 65 | 33 | 48 | 50 |
| 44 | 49 | 54 | 64 | 32 | 47 | 49 |
| 43 | 48 | 52 | 63 | 32 | 46 | 47 |
| 42 | 47 | 51 | 61 | 31 | 44 | 46 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | ITRS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|--------------------------|------------------|------------------|
| | LEVEL 3 FORM A | LEVEL 2 FORM Q | LEVEL 1 FORM 5 | LEVEL 1 FORM F | LEVEL 4 FORM F | LEVEL 4 FORM A | LEVEL 4 FORM A | BLUE FORM E | BLUE FORM E | INTERMEDIATE I FORM M | TOTAL READING | TOTAL READING |
| | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 41 | 50 | 60 | 30 | 43 | 45 | 45 | | | | | | |
| 40 | 48 | 59 | 29 | 42 | 44 | 44 | | | | | | |
| 39 | 47 | 57 | 29 | 41 | 43 | 43 | | | | | | |
| 38 | 45 | 56 | 28 | 40 | 42 | 42 | | | | | | |
| 37 | 44 | 54 | 27 | 39 | 40 | 40 | | | | | | |
| 36 | 43 | 53 | 26 | 39 | 39 | 39 | | | | | | |
| 35 | 41 | 52 | 26 | 36 | 38 | 38 | | | | | | |
| 34 | 40 | 50 | 25 | 35 | 37 | 37 | | | | | | |
| 33 | 39 | 49 | 24 | 34 | 36 | 36 | | | | | | |
| 32 | 37 | 48 | 23 | 33 | 34 | 34 | | | | | | |
| 31 | 36 | 46 | 23 | 31 | 33 | 33 | | | | | | |
| 30 | 34 | 45 | 22 | 30 | 32 | 32 | | | | | | |
| 29 | 33 | 44 | 21 | 29 | 31 | 31 | | | | | | |
| 28 | 32 | 42 | 20 | 28 | 30 | 30 | | | | | | |
| 27 | 30 | 41 | 20 | 27 | 29 | 29 | | | | | | |
| 26 | 29 | 39 | 19 | 26 | 27 | 27 | | | | | | |
| 25 | 28 | 38 | 18 | 24 | 26 | 26 | | | | | | |
| 24 | 26 | 37 | 17 | 23 | 25 | 25 | | | | | | |
| 23 | 25 | 35 | 17 | 22 | 24 | 24 | | | | | | |
| 22 | 23 | 34 | 16 | 21 | 23 | 23 | | | | | | |
| 21 | 22 | 33 | 15 | 20 | 21 | 21 | | | | | | |
| 20 | 21 | 31 | 14 | 19 | 20 | 20 | | | | | | |
| 19 | 19 | 30 | 14 | 17 | 19 | 19 | | | | | | |
| 18 | 18 | 29 | 13 | 16 | 18 | 18 | | | | | | |
| 17 | 17 | 27 | 12 | 15 | 17 | 17 | | | | | | |
| 16 | 15 | 26 | 11 | 14 | 16 | 16 | | | | | | |
| 15 | 14 | 24 | 11 | 13 | 14 | 14 | | | | | | |
| 14 | 12 | 23 | 10 | 11 | 13 | 13 | | | | | | |
| 13 | 11 | 22 | 9 | 10 | 12 | 12 | | | | | | |
| 12 | 10 | 20 | 8 | 9 | 11 | 11 | | | | | | |
| 11 | 8 | 19 | 8 | 8 | 10 | 10 | | | | | | |
| 10 | 7 | 18 | 7 | 7 | 9 | 9 | | | | | | |
| 9 | 6 | 16 | 6 | 6 | 7 | 7 | | | | | | |
| 8 | 4 | 15 | 5 | 4 | 6 | 6 | | | | | | |
| 7 | 3 | 14 | 5 | 3 | 5 | 5 | | | | | | |
| 6 | 1 | 12 | 4 | 2 | 4 | 4 | | | | | | |
| 5 | 0 | 11 | 3 | 1 | 3 | 3 | | | | | | |
| 4 | -1 | 9 | 2 | 0 | 2 | 2 | | | | | | |
| 3 | -3 | 8 | 2 | -2 | 1 | 1 | | | | | | |
| 2 | -4 | 7 | 1 | -3 | 0 | 0 | | | | | | |
| 1 | -5 | 5 | 0 | -4 | -1 | -1 | | | | | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTRS (69 ED.) LEVEL 2 FORM Q TOTAL READING | ITRS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-11 (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM M TOTAL READING |
|--|---|--|---|--|---|---|
|--|---|--|---|--|---|---|

RAW SCORE EQUIVALENT SCORE EQUIVALENT SCORE EQUIVALENT SCORE EQUIVALENT SCORE EQUIVALENT SCORE EQUIVALENT SCORE

0 0 - 7 4 - 1 - 5 - 3



COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| RAW SCORE | CAT (7C ED.) LEVEL 3 FORM A | | ITBS (7I ED.) LEVEL 10 FORM 5 | | MAT (7O ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (7I ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 75 | 97 | 108 | 56 | 84 | 86 | 85 | | | | | | |
| 84 | 75 | 106 | 56 | 83 | 85 | 85 | | | | | | |
| 83 | 74 | 105 | 55 | 82 | 84 | 84 | | | | | | |
| 82 | 73 | 104 | 54 | 81 | 83 | 83 | | | | | | |
| 81 | 72 | 103 | 54 | 80 | 82 | 82 | | | | | | |
| 80 | 71 | 101 | 53 | 79 | 81 | 81 | | | | | | |
| 79 | 71 | 100 | 52 | 78 | 80 | 80 | | | | | | |
| 78 | 70 | 99 | 52 | 77 | 79 | 79 | | | | | | |
| 77 | 69 | 98 | 51 | 76 | 78 | 78 | | | | | | |
| 76 | 68 | 97 | 50 | 75 | 77 | 77 | | | | | | |
| 75 | 67 | 95 | 50 | 74 | 76 | 76 | | | | | | |
| 74 | 66 | 94 | 49 | 73 | 75 | 75 | | | | | | |
| 73 | 65 | 93 | 48 | 72 | 74 | 74 | | | | | | |
| 72 | 64 | 92 | 48 | 71 | 73 | 73 | | | | | | |
| 71 | 63 | 91 | 47 | 70 | 72 | 72 | | | | | | |
| 70 | 63 | 89 | 46 | 69 | 70 | 70 | | | | | | |
| 69 | 62 | 88 | 46 | 68 | 69 | 69 | | | | | | |
| 68 | 61 | 87 | 45 | 67 | 68 | 68 | | | | | | |
| 67 | 60 | 86 | 44 | 66 | 67 | 67 | | | | | | |
| 66 | 59 | 84 | 44 | 64 | 66 | 66 | | | | | | |
| 65 | 58 | 83 | 43 | 63 | 65 | 65 | | | | | | |
| 64 | 57 | 82 | 42 | 62 | 64 | 64 | | | | | | |
| 63 | 56 | 81 | 42 | 61 | 63 | 63 | | | | | | |
| 62 | 55 | 80 | 41 | 60 | 62 | 62 | | | | | | |
| 61 | 55 | 78 | 40 | 59 | 61 | 61 | | | | | | |
| 60 | 54 | 77 | 40 | 58 | 60 | 60 | | | | | | |
| 59 | 53 | 76 | 39 | 57 | 59 | 59 | | | | | | |
| 58 | 52 | 75 | 38 | 56 | 58 | 58 | | | | | | |
| 57 | 51 | 74 | 38 | 55 | 57 | 57 | | | | | | |
| 56 | 50 | 72 | 37 | 54 | 56 | 56 | | | | | | |
| 55 | 49 | 71 | 36 | 53 | 55 | 55 | | | | | | |
| 54 | 48 | 70 | 36 | 52 | 54 | 54 | | | | | | |
| 53 | 47 | 69 | 35 | 51 | 53 | 53 | | | | | | |
| 52 | 47 | 68 | 34 | 50 | 52 | 52 | | | | | | |
| 51 | 46 | 66 | 34 | 49 | 51 | 51 | | | | | | |
| 50 | 45 | 65 | 33 | 48 | 50 | 50 | | | | | | |
| 49 | 44 | 64 | 32 | 47 | 48 | 48 | | | | | | |
| 48 | 43 | 63 | 32 | 46 | 47 | 47 | | | | | | |
| 47 | 42 | 61 | 31 | 45 | 46 | 46 | | | | | | |
| 46 | 41 | 60 | 30 | 44 | 45 | 45 | | | | | | |
| 45 | 40 | 59 | 30 | 42 | 44 | 44 | | | | | | |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2. LINEAR METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q | CAT (70 ED.) LEVEL 3 FORM A | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE 1 FORM M | TOTAL READING | | TOTAL READING | |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|------------------|------------------|------------------|------------------|
| | | | | | | | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 44 | 39 | 47 | 58 | 29 | 41 | 43 | | | | |
| 43 | 39 | 45 | 57 | 28 | 40 | 42 | | | | |
| 42 | 39 | 45 | 55 | 28 | 39 | 41 | | | | |
| 41 | 37 | 44 | 54 | 27 | 38 | 40 | | | | |
| 40 | 36 | 43 | 53 | 26 | 37 | 39 | | | | |
| 39 | 35 | 41 | 52 | 26 | 36 | 38 | | | | |
| 38 | 34 | 40 | 51 | 25 | 35 | 37 | | | | |
| 37 | 33 | 39 | 49 | 24 | 34 | 36 | | | | |
| 36 | 32 | 38 | 48 | 24 | 33 | 35 | | | | |
| 35 | 32 | 36 | 47 | 23 | 32 | 34 | | | | |
| 34 | 31 | 35 | 46 | 22 | 31 | 33 | | | | |
| 33 | 30 | 34 | 44 | 22 | 30 | 32 | | | | |
| 32 | 29 | 33 | 43 | 21 | 29 | 31 | | | | |
| 31 | 28 | 32 | 42 | 20 | 28 | 30 | | | | |
| 30 | 27 | 30 | 41 | 20 | 27 | 29 | | | | |
| 29 | 26 | 29 | 40 | 19 | 26 | 28 | | | | |
| 28 | 25 | 28 | 38 | 18 | 25 | 26 | | | | |
| 27 | 24 | 27 | 37 | 18 | 24 | 25 | | | | |
| 26 | 24 | 26 | 36 | 17 | 23 | 24 | | | | |
| 25 | 23 | 24 | 35 | 16 | 22 | 23 | | | | |
| 24 | 22 | 23 | 34 | 16 | 21 | 22 | | | | |
| 23 | 21 | 22 | 32 | 15 | 19 | 21 | | | | |
| 22 | 20 | 21 | 31 | 14 | 18 | 20 | | | | |
| 21 | 19 | 19 | 30 | 14 | 17 | 19 | | | | |
| 20 | 18 | 18 | 29 | 13 | 16 | 18 | | | | |
| 19 | 17 | 17 | 28 | 12 | 15 | 17 | | | | |
| 18 | 16 | 16 | 27 | 12 | 14 | 16 | | | | |
| 17 | 15 | 15 | 25 | 11 | 13 | 15 | | | | |
| 16 | 14 | 13 | 24 | 10 | 12 | 14 | | | | |
| 15 | 14 | 12 | 23 | 10 | 11 | 13 | | | | |
| 14 | 13 | 11 | 21 | 9 | 10 | 12 | | | | |
| 13 | 12 | 10 | 20 | 8 | 9 | 11 | | | | |
| 12 | 11 | 8 | 19 | 8 | 8 | 10 | | | | |
| 11 | 10 | 7 | 18 | 7 | 7 | 9 | | | | |
| 10 | 9 | 6 | 17 | 6 | 6 | 8 | | | | |
| 9 | 8 | 5 | 15 | 6 | 5 | 7 | | | | |
| 8 | 8 | 4 | 14 | 5 | 4 | 6 | | | | |
| 7 | 7 | 2 | 13 | 4 | 4 | 5 | | | | |
| 6 | 6 | 1 | 12 | 4 | 3 | 4 | | | | |
| 5 | 5 | 0 | 11 | 3 | 2 | 3 | | | | |
| 4 | 4 | - | 9 | 2 | 1 | 2 | | | | |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2. LINEAR METHOD

| CTBS (69 ED.) | | CAT (70 ED.) | | ITRS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|----------------|------------------|
| LEVEL 2 | | LEVEL 3 | | LEVEL 4 | | ELEMENTARY | | LEVEL 4 | | BLUE | | INTERMEDIATE I | |
| FORM Q | | FORM A | | FORM 5 | | FORM F | | FORM A | | FORM E | | FORM M | |
| TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 3 | 3 | 3 | 3 | 3 | 8 | 3 | 2 | 3 | 1 | 3 | 1 | 3 | 0 |
| 2 | 2 | 4 | 4 | 4 | 7 | 4 | 1 | 4 | 2 | 4 | 2 | 4 | 1 |
| 1 | 1 | 5 | 5 | 5 | 6 | 5 | 0 | 5 | 4 | 5 | 4 | 5 | 2 |
| 0 | 0 | 6 | 6 | 6 | 4 | 6 | 0 | 6 | 5 | 6 | 5 | 6 | 3 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 106 | 82 | 92 | 116 | 61 | 61 | 92 | 94 | | | | | |
| 105 | 81 | 91 | 115 | 61 | 91 | 91 | 93 | | | | | |
| 104 | 81 | 90 | 114 | 60 | 90 | 90 | 92 | | | | | |
| 103 | 80 | 90 | 113 | 60 | 89 | 89 | 91 | | | | | |
| 102 | 79 | 89 | 112 | 59 | 88 | 88 | 90 | | | | | |
| 101 | 78 | 88 | 111 | 58 | 87 | 87 | 89 | | | | | |
| 100 | 78 | 87 | 110 | 58 | 87 | 87 | 88 | | | | | |
| 99 | 77 | 86 | 109 | 57 | 86 | 86 | 88 | | | | | |
| 98 | 76 | 86 | 108 | 57 | 85 | 85 | 87 | | | | | |
| 97 | 76 | 85 | 107 | 56 | 84 | 84 | 86 | | | | | |
| 96 | 75 | 84 | 106 | 56 | 83 | 83 | 85 | | | | | |
| 95 | 74 | 83 | 105 | 55 | 82 | 82 | 84 | | | | | |
| 94 | 73 | 82 | 104 | 55 | 81 | 81 | 83 | | | | | |
| 93 | 73 | 81 | 103 | 54 | 80 | 80 | 82 | | | | | |
| 92 | 72 | 81 | 102 | 53 | 80 | 80 | 82 | | | | | |
| 91 | 71 | 80 | 101 | 53 | 79 | 79 | 81 | | | | | |
| 90 | 70 | 79 | 100 | 52 | 78 | 78 | 80 | | | | | |
| 89 | 70 | 79 | 99 | 52 | 77 | 77 | 79 | | | | | |
| 88 | 69 | 77 | 98 | 51 | 76 | 76 | 78 | | | | | |
| 87 | 68 | 77 | 97 | 51 | 75 | 75 | 77 | | | | | |
| 86 | 68 | 76 | 96 | 50 | 75 | 75 | 76 | | | | | |
| 85 | 67 | 75 | 95 | 50 | 74 | 74 | 76 | | | | | |
| 84 | 66 | 74 | 94 | 49 | 73 | 73 | 75 | | | | | |
| 83 | 65 | 73 | 93 | 49 | 72 | 72 | 74 | | | | | |
| 82 | 65 | 72 | 92 | 48 | 71 | 71 | 73 | | | | | |
| 81 | 64 | 71 | 91 | 47 | 70 | 70 | 72 | | | | | |
| 80 | 63 | 71 | 90 | 47 | 69 | 69 | 71 | | | | | |
| 79 | 62 | 70 | 89 | 46 | 68 | 68 | 70 | | | | | |
| 78 | 62 | 69 | 88 | 46 | 67 | 67 | 69 | | | | | |
| 77 | 61 | 68 | 87 | 45 | 66 | 66 | 68 | | | | | |
| 76 | 60 | 67 | 86 | 45 | 65 | 65 | 67 | | | | | |
| 75 | 60 | 67 | 85 | 44 | 64 | 64 | 66 | | | | | |
| 74 | 59 | 66 | 84 | 44 | 63 | 63 | 65 | | | | | |
| 73 | 58 | 65 | 83 | 43 | 62 | 62 | 64 | | | | | |
| 72 | 57 | 64 | 82 | 43 | 61 | 61 | 63 | | | | | |
| 71 | 57 | 63 | 81 | 42 | 60 | 60 | 62 | | | | | |
| 70 | 56 | 63 | 80 | 41 | 59 | 59 | 61 | | | | | |
| 69 | 55 | 62 | 79 | 41 | 58 | 58 | 60 | | | | | |
| 68 | 54 | 61 | 78 | 40 | 57 | 57 | 59 | | | | | |
| 67 | 54 | 60 | 77 | 40 | 56 | 56 | 58 | | | | | |
| 66 | 53 | 59 | 76 | 39 | 55 | 55 | 57 | | | | | |

TABLE 129. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2. LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-------------------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | | | | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 65 | 52 | 58 | 75 | 39 | 57 | 58 | 58 | | |
| 64 | 52 | 58 | 74 | 38 | 56 | 57 | 57 | | |
| 63 | 51 | 57 | 73 | 38 | 55 | 57 | 57 | | |
| 62 | 50 | 56 | 72 | 37 | 54 | 56 | 56 | | |
| 61 | 49 | 55 | 71 | 37 | 53 | 55 | 55 | | |
| 60 | 49 | 54 | 70 | 36 | 52 | 54 | 54 | | |
| 59 | 48 | 54 | 70 | 35 | 51 | 53 | 53 | | |
| 58 | 47 | 53 | 69 | 35 | 51 | 52 | 52 | | |
| 57 | 46 | 52 | 67 | 34 | 50 | 51 | 51 | | |
| 56 | 46 | 51 | 66 | 34 | 49 | 51 | 51 | | |
| 55 | 45 | 50 | 65 | 33 | 48 | 50 | 50 | | |
| 54 | 44 | 49 | 64 | 33 | 47 | 49 | 49 | | |
| 53 | 44 | 49 | 63 | 32 | 46 | 48 | 48 | | |
| 52 | 43 | 48 | 62 | 32 | 45 | 47 | 47 | | |
| 51 | 42 | 47 | 61 | 31 | 45 | 46 | 46 | | |
| 50 | 41 | 46 | 60 | 30 | 44 | 45 | 45 | | |
| 49 | 41 | 45 | 59 | 30 | 43 | 45 | 45 | | |
| 48 | 40 | 45 | 58 | 29 | 42 | 44 | 44 | | |
| 47 | 39 | 44 | 57 | 29 | 41 | 43 | 43 | | |
| 46 | 38 | 43 | 56 | 28 | 40 | 42 | 42 | | |
| 45 | 39 | 42 | 55 | 28 | 39 | 41 | 41 | | |
| 44 | 37 | 41 | 54 | 27 | 39 | 40 | 40 | | |
| 43 | 36 | 40 | 53 | 27 | 38 | 39 | 39 | | |
| 42 | 36 | 40 | 52 | 26 | 37 | 39 | 39 | | |
| 41 | 35 | 39 | 51 | 26 | 36 | 38 | 38 | | |
| 40 | 34 | 38 | 50 | 25 | 35 | 37 | 37 | | |
| 39 | 33 | 37 | 49 | 24 | 34 | 36 | 36 | | |
| 38 | 33 | 36 | 48 | 24 | 33 | 35 | 35 | | |
| 37 | 32 | 36 | 47 | 23 | 33 | 34 | 34 | | |
| 36 | 31 | 35 | 46 | 23 | 32 | 33 | 33 | | |
| 35 | 30 | 34 | 45 | 22 | 31 | 33 | 33 | | |
| 34 | 30 | 33 | 44 | 22 | 30 | 32 | 32 | | |
| 33 | 29 | 32 | 43 | 21 | 29 | 31 | 31 | | |
| 32 | 28 | 31 | 43 | 21 | 28 | 30 | 30 | | |
| 31 | 27 | 31 | 42 | 20 | 27 | 29 | 29 | | |
| 30 | 27 | 30 | 41 | 20 | 27 | 28 | 28 | | |
| 29 | 26 | 29 | 40 | 19 | 26 | 27 | 27 | | |
| 28 | 25 | 28 | 39 | 18 | 25 | 27 | 27 | | |
| 27 | 25 | 27 | 38 | 18 | 24 | 26 | 26 | | |
| 26 | 24 | 26 | 37 | 17 | 23 | 25 | 25 | | |
| 25 | 23 | 26 | 36 | 17 | 22 | 24 | 24 | | |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTBS (69 ED.) LEVEL 2 FORM C TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE 1 FORM W TOTAL READING |
|--|--|---|---|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 24 | 22 | 25 | 35 | 16 | 21 | 23 |
| 23 | 22 | 24 | 34 | 16 | 21 | 22 |
| 22 | 21 | 23 | 33 | 15 | 20 | 21 |
| 21 | 20 | 22 | 32 | 15 | 19 | 21 |
| 20 | 20 | 22 | 31 | 14 | 18 | 20 |
| 19 | 19 | 21 | 30 | 14 | 17 | 19 |
| 18 | 18 | 20 | 29 | 13 | 16 | 18 |
| 17 | 17 | 19 | 28 | 12 | 15 | 17 |
| 16 | 16 | 18 | 27 | 12 | 15 | 16 |
| 15 | 16 | 17 | 26 | 11 | 14 | 15 |
| 14 | 15 | 17 | 25 | 11 | 13 | 15 |
| 13 | 14 | 16 | 24 | 10 | 12 | 14 |
| 12 | 14 | 15 | 23 | 10 | 11 | 13 |
| 11 | 13 | 14 | 22 | 9 | 10 | 12 |
| 10 | 12 | 13 | 21 | 9 | 9 | 11 |
| 9 | 12 | 13 | 20 | 8 | 9 | 10 |
| 8 | 11 | 12 | 19 | 7 | 8 | 9 |
| 7 | 10 | 11 | 18 | 7 | 7 | 9 |
| 6 | 9 | 10 | 17 | 6 | 6 | 8 |
| 5 | 9 | 9 | 16 | 6 | 5 | 7 |
| 4 | 8 | 8 | 15 | 5 | 4 | 6 |
| 3 | 7 | 8 | 14 | 5 | 3 | 5 |
| 2 | 6 | 7 | 13 | 4 | 2 | 4 |
| 1 | 6 | 6 | 12 | 4 | 2 | 3 |
| 0 | 5 | 5 | 11 | 3 | 1 | 3 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 95 | 67 | 75 | 85 | 50 | 74 | 75 | 50 | 74 | 75 | | | |
| 94 | 66 | 74 | 84 | 49 | 73 | 74 | 49 | 73 | 75 | | | |
| 93 | 65 | 73 | 83 | 48 | 72 | 73 | 48 | 72 | 74 | | | |
| 92 | 65 | 72 | 82 | 48 | 71 | 72 | 48 | 71 | 73 | | | |
| 91 | 64 | 71 | 81 | 47 | 70 | 71 | 47 | 70 | 72 | | | |
| 90 | 63 | 70 | 80 | 47 | 69 | 70 | 47 | 69 | 71 | | | |
| 89 | 62 | 70 | 79 | 46 | 68 | 69 | 46 | 68 | 70 | | | |
| 88 | 62 | 69 | 78 | 46 | 67 | 68 | 46 | 67 | 69 | | | |
| 87 | 61 | 68 | 77 | 45 | 66 | 67 | 45 | 66 | 68 | | | |
| 86 | 60 | 67 | 76 | 45 | 65 | 66 | 45 | 65 | 67 | | | |
| 85 | 59 | 67 | 75 | 44 | 64 | 65 | 44 | 64 | 66 | | | |
| 84 | 59 | 66 | 74 | 44 | 63 | 64 | 44 | 63 | 65 | | | |
| 83 | 58 | 65 | 73 | 43 | 62 | 63 | 43 | 62 | 64 | | | |
| 82 | 57 | 64 | 72 | 42 | 61 | 62 | 42 | 61 | 63 | | | |
| 81 | 57 | 63 | 71 | 42 | 60 | 61 | 42 | 60 | 62 | | | |
| 80 | 56 | 62 | 70 | 41 | 59 | 60 | 41 | 59 | 61 | | | |
| 79 | 55 | 62 | 69 | 41 | 58 | 59 | 41 | 58 | 60 | | | |
| 78 | 54 | 61 | 68 | 40 | 57 | 58 | 40 | 57 | 59 | | | |
| 77 | 54 | 60 | 67 | 40 | 56 | 57 | 39 | 56 | 58 | | | |
| 76 | 53 | 59 | 66 | 39 | 55 | 56 | 39 | 55 | 57 | | | |
| 75 | 52 | 58 | 65 | 39 | 54 | 55 | 38 | 54 | 56 | | | |
| 74 | 51 | 57 | 64 | 38 | 53 | 54 | 38 | 53 | 55 | | | |
| 73 | 51 | 57 | 63 | 37 | 52 | 53 | 37 | 52 | 54 | | | |
| 72 | 50 | 56 | 62 | 37 | 51 | 52 | 36 | 51 | 53 | | | |
| 71 | 49 | 55 | 61 | 36 | 50 | 51 | 36 | 50 | 52 | | | |
| 70 | 48 | 54 | 60 | 36 | 49 | 50 | 35 | 49 | 51 | | | |
| 69 | 48 | 53 | 59 | 35 | 48 | 49 | 35 | 48 | 50 | | | |
| 68 | 47 | 52 | 58 | 35 | 47 | 48 | 34 | 47 | 49 | | | |
| 67 | 46 | 52 | 57 | 34 | 46 | 47 | 34 | 46 | 48 | | | |
| 66 | 46 | 51 | 56 | 34 | 45 | 46 | 33 | 45 | 47 | | | |
| 65 | 45 | 50 | 55 | 33 | 44 | 45 | 33 | 44 | 46 | | | |
| 64 | 44 | 49 | 54 | 33 | 43 | 44 | 33 | 43 | 45 | | | |
| 63 | 43 | 48 | 53 | 32 | 42 | 43 | 32 | 42 | 44 | | | |
| 62 | 42 | 47 | 52 | 31 | 41 | 42 | 31 | 41 | 43 | | | |
| 61 | 42 | 47 | 51 | 31 | 40 | 41 | 30 | 40 | 42 | | | |
| 60 | 41 | 46 | 50 | 30 | 39 | 40 | 30 | 39 | 41 | | | |
| 59 | 40 | 45 | 49 | 30 | 38 | 39 | 29 | 38 | 40 | | | |
| 58 | 40 | 44 | 48 | 29 | 37 | 38 | 29 | 37 | 39 | | | |
| 57 | 39 | 43 | 47 | 29 | 36 | 37 | 28 | 36 | 38 | | | |
| 56 | 38 | 43 | 46 | 28 | 35 | 36 | 28 | 35 | 37 | | | |
| 55 | 37 | 42 | 45 | 28 | 34 | 35 | 27 | 34 | 36 | | | |

TABLE 130. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|---|-----------------------------------|---------------|------------------------------------|---------------|-------------------------------------|---------------|---------------------------------------|---------------|--------------------------------|---------------|--|---------------|
| | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING |
| 54 | 37 | 41 | 44 | 27 | 38 | 40 | | | | | | |
| 53 | 36 | 40 | 43 | 26 | 37 | 39 | | | | | | |
| 52 | 35 | 39 | 42 | 26 | 36 | 38 | | | | | | |
| 51 | 35 | 38 | 41 | 25 | 36 | 37 | | | | | | |
| 50 | 34 | 37 | 40 | 25 | 35 | 37 | | | | | | |
| 49 | 33 | 36 | 39 | 24 | 34 | 36 | | | | | | |
| 49 | 32 | 36 | 38 | 24 | 33 | 35 | | | | | | |
| 47 | 32 | 35 | 37 | 23 | 32 | 34 | | | | | | |
| 46 | 31 | 34 | 36 | 23 | 31 | 33 | | | | | | |
| 45 | 30 | 33 | 35 | 22 | 30 | 32 | | | | | | |
| 44 | 29 | 33 | 34 | 21 | 30 | 31 | | | | | | |
| 43 | 29 | 32 | 33 | 21 | 29 | 30 | | | | | | |
| 42 | 28 | 31 | 32 | 20 | 28 | 30 | | | | | | |
| 41 | 27 | 30 | 31 | 20 | 27 | 29 | | | | | | |
| 40 | 26 | 29 | 30 | 19 | 26 | 29 | | | | | | |
| 39 | 26 | 29 | 29 | 19 | 25 | 27 | | | | | | |
| 38 | 25 | 28 | 28 | 18 | 24 | 26 | | | | | | |
| 37 | 24 | 27 | 27 | 18 | 24 | 25 | | | | | | |
| 36 | 24 | 26 | 26 | 17 | 23 | 24 | | | | | | |
| 35 | 23 | 25 | 25 | 17 | 22 | 24 | | | | | | |
| 34 | 22 | 24 | 24 | 16 | 21 | 23 | | | | | | |
| 33 | 21 | 24 | 23 | 15 | 20 | 22 | | | | | | |
| 32 | 21 | 23 | 22 | 15 | 19 | 21 | | | | | | |
| 31 | 20 | 22 | 21 | 14 | 18 | 20 | | | | | | |
| 30 | 19 | 21 | 20 | 14 | 17 | 19 | | | | | | |
| 29 | 18 | 20 | 19 | 13 | 16 | 18 | | | | | | |
| 28 | 18 | 19 | 18 | 13 | 16 | 18 | | | | | | |
| 27 | 17 | 19 | 16 | 12 | 15 | 17 | | | | | | |
| 26 | 16 | 18 | 15 | 12 | 14 | 16 | | | | | | |
| 25 | 15 | 17 | 14 | 11 | 13 | 15 | | | | | | |
| 24 | 15 | 16 | 13 | 10 | 12 | 14 | | | | | | |
| 23 | 14 | 15 | 12 | 10 | 11 | 13 | | | | | | |
| 22 | 13 | 15 | 11 | 9 | 11 | 12 | | | | | | |
| 21 | 13 | 14 | 10 | 9 | 10 | 11 | | | | | | |
| 20 | 12 | 13 | 9 | 8 | 9 | 10 | | | | | | |
| 19 | 11 | 12 | 8 | 8 | 8 | 9 | | | | | | |
| 18 | 10 | 11 | 7 | 7 | 7 | 8 | | | | | | |
| 17 | 10 | 10 | 6 | 7 | 6 | 7 | | | | | | |
| 16 | 9 | 10 | 5 | 6 | 5 | 6 | | | | | | |
| 15 | 8 | 9 | 4 | 5 | 4 | 5 | | | | | | |
| 14 | 7 | 8 | 3 | 4 | 3 | 4 | | | | | | |

SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-11) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| STEP-11 (69 ED.) LEVEL 4 FORM A TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | 1TBS (71 ED.) LEVEL 10 FORM S | | MAT (70 ED.) ELEMENTARY FORM F | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|--|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 60 | 81 | 90 | 104 | 114 | 90 | 92 | 114 | 90 | 90 | 92 | 90 | 92 |
| 59 | 79 | 89 | 102 | 112 | 88 | 88 | 112 | 88 | 88 | 88 | 88 | 90 |
| 58 | 78 | 87 | 100 | 110 | 87 | 89 | 110 | 87 | 87 | 89 | 89 | 89 |
| 57 | 77 | 86 | 99 | 109 | 85 | 87 | 109 | 85 | 85 | 87 | 87 | 87 |
| 56 | 75 | 84 | 97 | 107 | 84 | 86 | 107 | 84 | 84 | 86 | 86 | 86 |
| 55 | 74 | 83 | 95 | 105 | 82 | 84 | 105 | 82 | 82 | 84 | 84 | 84 |
| 54 | 73 | 81 | 93 | 103 | 81 | 82 | 103 | 81 | 81 | 82 | 82 | 82 |
| 53 | 71 | 80 | 91 | 101 | 79 | 81 | 101 | 79 | 79 | 81 | 81 | 81 |
| 52 | 70 | 78 | 89 | 100 | 77 | 79 | 100 | 77 | 77 | 79 | 79 | 79 |
| 51 | 69 | 77 | 88 | 98 | 76 | 78 | 98 | 76 | 76 | 78 | 78 | 78 |
| 50 | 67 | 75 | 86 | 96 | 74 | 76 | 96 | 74 | 74 | 76 | 76 | 76 |
| 49 | 66 | 74 | 84 | 94 | 73 | 75 | 94 | 73 | 73 | 75 | 75 | 75 |
| 48 | 65 | 72 | 82 | 92 | 71 | 73 | 92 | 71 | 71 | 73 | 73 | 73 |
| 47 | 63 | 71 | 80 | 90 | 70 | 71 | 90 | 70 | 70 | 71 | 71 | 71 |
| 46 | 62 | 69 | 78 | 88 | 68 | 70 | 88 | 68 | 68 | 70 | 70 | 70 |
| 45 | 61 | 68 | 77 | 87 | 66 | 68 | 87 | 66 | 66 | 68 | 68 | 68 |
| 44 | 59 | 66 | 75 | 85 | 65 | 66 | 85 | 65 | 65 | 67 | 67 | 67 |
| 43 | 58 | 65 | 73 | 83 | 63 | 65 | 83 | 63 | 63 | 65 | 65 | 65 |
| 42 | 57 | 63 | 71 | 81 | 62 | 63 | 81 | 62 | 62 | 64 | 64 | 64 |
| 41 | 55 | 62 | 69 | 80 | 60 | 62 | 80 | 60 | 60 | 62 | 62 | 62 |
| 40 | 54 | 60 | 68 | 78 | 59 | 60 | 78 | 59 | 59 | 60 | 60 | 60 |
| 39 | 53 | 59 | 66 | 76 | 57 | 59 | 76 | 57 | 57 | 59 | 59 | 59 |
| 38 | 51 | 57 | 64 | 74 | 56 | 57 | 74 | 56 | 56 | 57 | 57 | 57 |
| 37 | 50 | 56 | 62 | 72 | 54 | 56 | 72 | 54 | 54 | 56 | 56 | 56 |
| 36 | 49 | 55 | 60 | 70 | 53 | 55 | 70 | 52 | 52 | 54 | 54 | 54 |
| 35 | 47 | 53 | 58 | 69 | 51 | 53 | 69 | 51 | 51 | 53 | 53 | 53 |
| 34 | 46 | 52 | 57 | 67 | 50 | 52 | 67 | 50 | 50 | 51 | 51 | 51 |
| 33 | 45 | 50 | 55 | 65 | 48 | 50 | 65 | 48 | 48 | 49 | 49 | 49 |
| 32 | 43 | 49 | 53 | 63 | 46 | 49 | 63 | 46 | 46 | 48 | 48 | 48 |
| 31 | 42 | 47 | 51 | 61 | 45 | 47 | 61 | 45 | 45 | 46 | 46 | 46 |
| 30 | 41 | 46 | 49 | 60 | 43 | 46 | 60 | 43 | 43 | 45 | 45 | 45 |
| 29 | 39 | 44 | 47 | 58 | 41 | 43 | 58 | 41 | 41 | 43 | 43 | 43 |
| 28 | 38 | 43 | 46 | 56 | 40 | 42 | 56 | 40 | 40 | 42 | 42 | 42 |
| 27 | 37 | 41 | 44 | 54 | 38 | 41 | 54 | 38 | 38 | 40 | 40 | 40 |
| 26 | 35 | 40 | 42 | 52 | 37 | 39 | 52 | 37 | 37 | 39 | 39 | 39 |
| 25 | 34 | 38 | 40 | 51 | 35 | 37 | 51 | 35 | 35 | 37 | 37 | 37 |
| 24 | 33 | 37 | 38 | 49 | 34 | 36 | 49 | 34 | 34 | 35 | 35 | 35 |
| 23 | 31 | 35 | 36 | 47 | 32 | 34 | 47 | 32 | 32 | 34 | 34 | 34 |
| 22 | 30 | 34 | 35 | 45 | 30 | 33 | 45 | 30 | 30 | 32 | 32 | 32 |
| 21 | 29 | 32 | 33 | 43 | 29 | 32 | 43 | 29 | 29 | 31 | 31 | 31 |
| 20 | 28 | 31 | 31 | 41 | 28 | 31 | 41 | 27 | 27 | 29 | 29 | 29 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CTRS (68 ED.) | | ITBS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|-------------------|--------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|---------------|
| | LEVEL 3 FORM E | LEVEL 2 FORM A | LEVEL 10 FORM Q | LEVEL 5 FORM S | LEVEL 10 FORM F | LEVEL 4 FORM A | LEVEL 4 FORM F | LEVEL 4 FORM A | LEVEL 4 FORM A | LEVEL 4 FORM A | INTERMEDIATE I | TOTAL READING |
| | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| 90 | 81 | 91 | 104 | 114 | 114 | 60 | 92 | | | | | |
| 89 | 80 | 90 | 103 | 113 | 113 | 59 | 91 | | | | | |
| 88 | 79 | 89 | 102 | 112 | 112 | 59 | 90 | | | | | |
| 87 | 78 | 88 | 101 | 111 | 111 | 58 | 89 | | | | | |
| 86 | 77 | 87 | 99 | 110 | 110 | 58 | 88 | | | | | |
| 85 | 77 | 86 | 98 | 108 | 108 | 57 | 87 | | | | | |
| 84 | 76 | 85 | 97 | 107 | 107 | 56 | 86 | | | | | |
| 83 | 75 | 84 | 96 | 106 | 106 | 56 | 85 | | | | | |
| 82 | 74 | 83 | 95 | 105 | 105 | 55 | 84 | | | | | |
| 81 | 73 | 82 | 94 | 104 | 104 | 54 | 83 | | | | | |
| 80 | 72 | 81 | 92 | 103 | 103 | 54 | 82 | | | | | |
| 79 | 71 | 80 | 91 | 101 | 101 | 53 | 81 | | | | | |
| 78 | 71 | 79 | 90 | 100 | 100 | 52 | 80 | | | | | |
| 77 | 70 | 78 | 89 | 99 | 99 | 52 | 79 | | | | | |
| 76 | 69 | 77 | 88 | 98 | 98 | 51 | 78 | | | | | |
| 75 | 68 | 76 | 87 | 97 | 97 | 51 | 77 | | | | | |
| 74 | 67 | 75 | 85 | 96 | 96 | 50 | 76 | | | | | |
| 73 | 66 | 74 | 84 | 94 | 94 | 49 | 75 | | | | | |
| 72 | 65 | 73 | 83 | 93 | 93 | 49 | 74 | | | | | |
| 71 | 65 | 72 | 82 | 92 | 92 | 48 | 73 | | | | | |
| 70 | 64 | 71 | 81 | 91 | 91 | 47 | 72 | | | | | |
| 69 | 63 | 70 | 80 | 90 | 90 | 47 | 71 | | | | | |
| 68 | 62 | 69 | 78 | 89 | 89 | 46 | 70 | | | | | |
| 67 | 61 | 69 | 77 | 87 | 87 | 45 | 69 | | | | | |
| 66 | 60 | 68 | 76 | 86 | 86 | 45 | 68 | | | | | |
| 65 | 60 | 67 | 75 | 85 | 85 | 44 | 67 | | | | | |
| 64 | 59 | 66 | 74 | 84 | 84 | 44 | 66 | | | | | |
| 63 | 58 | 65 | 73 | 83 | 83 | 43 | 65 | | | | | |
| 62 | 57 | 64 | 71 | 82 | 82 | 42 | 64 | | | | | |
| 61 | 56 | 63 | 70 | 81 | 81 | 42 | 63 | | | | | |
| 60 | 55 | 62 | 69 | 79 | 79 | 41 | 62 | | | | | |
| 59 | 54 | 61 | 68 | 78 | 78 | 40 | 61 | | | | | |
| 58 | 54 | 60 | 67 | 77 | 77 | 40 | 60 | | | | | |
| 57 | 53 | 59 | 66 | 76 | 76 | 39 | 59 | | | | | |
| 56 | 52 | 58 | 64 | 75 | 75 | 38 | 58 | | | | | |
| 55 | 51 | 57 | 63 | 74 | 74 | 38 | 57 | | | | | |
| 54 | 50 | 56 | 62 | 72 | 72 | 37 | 56 | | | | | |
| 53 | 49 | 55 | 61 | 71 | 71 | 36 | 55 | | | | | |
| 52 | 48 | 54 | 60 | 70 | 70 | 36 | 54 | | | | | |
| 51 | 48 | 53 | 59 | 69 | 69 | 35 | 53 | | | | | |
| 50 | 47 | 52 | 57 | 68 | 68 | 35 | 52 | | | | | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| RAW SCORE | CAT (7C ED.) LEVEL 2 FCRM A | | CTRS (68 ED.) LEVEL 2 FCRM C | | ITRS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 49 | 46 | 51 | 56 | 67 | 34 | 51 | 34 | 51 | 34 | 51 | 34 | 51 |
| 48 | 45 | 50 | 55 | 65 | 33 | 50 | 33 | 50 | 33 | 50 | 33 | 50 |
| 47 | 44 | 49 | 54 | 64 | 33 | 49 | 33 | 49 | 33 | 49 | 33 | 49 |
| 46 | 43 | 48 | 53 | 63 | 32 | 48 | 32 | 48 | 32 | 48 | 32 | 48 |
| 45 | 43 | 47 | 52 | 62 | 31 | 47 | 31 | 47 | 31 | 47 | 31 | 47 |
| 44 | 42 | 47 | 51 | 61 | 31 | 46 | 31 | 46 | 31 | 46 | 31 | 46 |
| 43 | 41 | 46 | 50 | 60 | 30 | 45 | 30 | 45 | 30 | 45 | 30 | 45 |
| 42 | 40 | 45 | 48 | 59 | 29 | 44 | 29 | 44 | 29 | 44 | 29 | 44 |
| 41 | 39 | 44 | 47 | 57 | 29 | 43 | 29 | 43 | 29 | 43 | 29 | 43 |
| 40 | 38 | 43 | 46 | 56 | 28 | 42 | 28 | 42 | 28 | 42 | 28 | 42 |
| 39 | 37 | 42 | 45 | 55 | 28 | 41 | 28 | 41 | 28 | 41 | 28 | 41 |
| 38 | 37 | 41 | 44 | 54 | 27 | 40 | 27 | 40 | 27 | 40 | 27 | 40 |
| 37 | 36 | 40 | 42 | 53 | 26 | 39 | 26 | 39 | 26 | 39 | 26 | 39 |
| 36 | 35 | 39 | 41 | 52 | 26 | 38 | 26 | 38 | 26 | 38 | 26 | 38 |
| 35 | 34 | 38 | 40 | 50 | 25 | 37 | 25 | 37 | 25 | 37 | 25 | 37 |
| 34 | 33 | 37 | 39 | 49 | 24 | 36 | 24 | 36 | 24 | 36 | 24 | 36 |
| 33 | 32 | 36 | 38 | 48 | 24 | 35 | 24 | 35 | 24 | 35 | 24 | 35 |
| 32 | 32 | 35 | 37 | 47 | 23 | 36 | 23 | 36 | 23 | 36 | 23 | 36 |
| 31 | 31 | 34 | 35 | 46 | 22 | 34 | 22 | 34 | 22 | 34 | 22 | 34 |
| 30 | 30 | 33 | 34 | 45 | 22 | 33 | 22 | 33 | 22 | 33 | 22 | 33 |
| 29 | 29 | 32 | 33 | 43 | 21 | 32 | 21 | 32 | 21 | 32 | 21 | 32 |
| 28 | 28 | 31 | 32 | 42 | 21 | 31 | 21 | 31 | 21 | 31 | 21 | 31 |
| 27 | 27 | 30 | 31 | 41 | 20 | 30 | 20 | 30 | 20 | 30 | 20 | 30 |
| 26 | 26 | 29 | 30 | 40 | 19 | 29 | 19 | 29 | 19 | 29 | 19 | 29 |
| 25 | 26 | 28 | 28 | 39 | 19 | 28 | 19 | 28 | 19 | 28 | 19 | 28 |
| 24 | 25 | 27 | 27 | 38 | 18 | 27 | 18 | 27 | 18 | 27 | 18 | 27 |
| 23 | 24 | 26 | 26 | 37 | 17 | 26 | 17 | 26 | 17 | 26 | 17 | 26 |
| 22 | 23 | 25 | 25 | 35 | 17 | 25 | 17 | 25 | 17 | 25 | 17 | 25 |
| 21 | 22 | 24 | 24 | 34 | 16 | 24 | 16 | 24 | 16 | 24 | 16 | 24 |
| 20 | 21 | 24 | 23 | 33 | 15 | 23 | 15 | 23 | 15 | 23 | 15 | 23 |
| 19 | 20 | 23 | 21 | 32 | 15 | 22 | 15 | 22 | 15 | 22 | 15 | 22 |
| 18 | 20 | 22 | 20 | 31 | 14 | 21 | 14 | 21 | 14 | 21 | 14 | 21 |
| 17 | 19 | 21 | 19 | 30 | 13 | 20 | 13 | 20 | 13 | 20 | 13 | 20 |
| 16 | 18 | 20 | 18 | 28 | 13 | 19 | 13 | 19 | 13 | 19 | 13 | 19 |
| 15 | 17 | 19 | 17 | 27 | 12 | 18 | 12 | 18 | 12 | 18 | 12 | 18 |
| 14 | 16 | 18 | 16 | 26 | 12 | 17 | 12 | 17 | 12 | 17 | 12 | 17 |
| 13 | 15 | 17 | 14 | 25 | 11 | 16 | 11 | 16 | 11 | 16 | 11 | 16 |
| 12 | 15 | 16 | 13 | 24 | 10 | 15 | 10 | 15 | 10 | 15 | 10 | 15 |
| 11 | 14 | 15 | 12 | 23 | 10 | 14 | 10 | 14 | 10 | 14 | 10 | 14 |
| 10 | 13 | 14 | 11 | 21 | 9 | 13 | 9 | 13 | 9 | 13 | 9 | 13 |
| 9 | 12 | 13 | 10 | 20 | 8 | 12 | 8 | 12 | 8 | 12 | 8 | 12 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| SRA (71 ED.) BLUE FORM E | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITRS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|--------------------------------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 8 | 11 | 12 | 9 | 19 | 8 | 10 | 19 | 8 | 10 | 10 | 10 | 10 |
| 7 | 10 | 11 | 7 | 18 | 7 | 9 | 18 | 7 | 9 | 9 | 9 | 9 |
| 6 | 9 | 10 | 6 | 17 | 6 | 8 | 17 | 6 | 8 | 8 | 8 | 8 |
| 5 | 9 | 9 | 5 | 16 | 5 | 7 | 16 | 5 | 7 | 7 | 7 | 7 |
| 4 | 8 | 8 | 4 | 14 | 4 | 6 | 14 | 4 | 6 | 6 | 6 | 6 |
| 3 | 7 | 7 | 3 | 13 | 3 | 5 | 13 | 3 | 5 | 5 | 5 | 5 |
| 2 | 6 | 6 | 2 | 12 | 2 | 4 | 12 | 2 | 4 | 4 | 4 | 4 |
| 1 | 5 | 5 | 0 | 11 | 0 | 3 | 11 | 0 | 3 | 3 | 3 | 3 |
| 0 | 4 | 4 | -1 | 10 | -1 | 2 | 10 | -1 | 2 | 2 | 2 | 2 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | | CTBS (68 ED.) LEVEL 2 FORM Q TOTAL READING | | ITBS (71 ED.) LEVEL 10 FORM S TOTAL READING | | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | | SRA (71 ED.) BLUE FORM E TOTAL READING | |
|---|--|------------------|---|------------------|--|------------------|---|------------------|--|------------------|---|------------------|
| | RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 98 | 86 | 111 | 96 | 111 | 121 | 121 | 64 | 64 | 96 | 96 | | |
| 97 | 85 | 110 | 95 | 110 | 120 | 120 | 63 | 63 | 95 | 95 | | |
| 96 | 84 | 109 | 94 | 109 | 119 | 119 | 63 | 63 | 94 | 94 | | |
| 95 | 83 | 108 | 93 | 108 | 118 | 118 | 62 | 62 | 93 | 93 | | |
| 94 | 82 | 107 | 92 | 107 | 117 | 117 | 61 | 61 | 92 | 92 | | |
| 93 | 81 | 106 | 91 | 106 | 116 | 116 | 60 | 60 | 91 | 91 | | |
| 92 | 80 | 105 | 90 | 105 | 115 | 115 | 60 | 60 | 90 | 90 | | |
| 91 | 79 | 104 | 89 | 104 | 114 | 114 | 60 | 60 | 89 | 89 | | |
| 90 | 78 | 103 | 88 | 103 | 113 | 113 | 59 | 59 | 88 | 88 | | |
| 89 | 77 | 102 | 87 | 102 | 112 | 112 | 58 | 58 | 87 | 87 | | |
| 88 | 76 | 101 | 86 | 101 | 111 | 111 | 58 | 58 | 86 | 86 | | |
| 87 | 75 | 100 | 85 | 100 | 110 | 110 | 57 | 57 | 85 | 85 | | |
| 86 | 74 | 99 | 84 | 99 | 109 | 109 | 56 | 56 | 84 | 84 | | |
| 85 | 73 | 98 | 83 | 98 | 108 | 108 | 56 | 56 | 83 | 83 | | |
| 84 | 72 | 97 | 82 | 97 | 107 | 107 | 55 | 55 | 82 | 82 | | |
| 83 | 71 | 96 | 81 | 96 | 106 | 106 | 54 | 54 | 81 | 81 | | |
| 82 | 70 | 95 | 80 | 95 | 105 | 105 | 54 | 54 | 80 | 80 | | |
| 81 | 69 | 94 | 79 | 94 | 104 | 104 | 53 | 53 | 79 | 79 | | |
| 80 | 68 | 93 | 78 | 93 | 103 | 103 | 53 | 53 | 78 | 78 | | |
| 79 | 67 | 92 | 77 | 92 | 102 | 102 | 52 | 52 | 77 | 77 | | |
| 78 | 66 | 91 | 76 | 91 | 101 | 101 | 51 | 51 | 76 | 76 | | |
| 77 | 65 | 90 | 75 | 90 | 100 | 100 | 51 | 51 | 75 | 75 | | |
| 76 | 64 | 89 | 74 | 89 | 99 | 99 | 50 | 50 | 74 | 74 | | |
| 75 | 63 | 88 | 73 | 88 | 98 | 98 | 49 | 49 | 73 | 73 | | |
| 74 | 62 | 87 | 72 | 87 | 97 | 97 | 49 | 49 | 72 | 72 | | |
| 73 | 61 | 86 | 71 | 86 | 96 | 96 | 48 | 48 | 71 | 71 | | |
| 72 | 60 | 85 | 70 | 85 | 95 | 95 | 47 | 47 | 70 | 70 | | |
| 71 | 59 | 84 | 69 | 84 | 94 | 94 | 46 | 46 | 69 | 69 | | |
| 70 | 58 | 83 | 68 | 83 | 93 | 93 | 46 | 46 | 68 | 68 | | |
| 69 | 57 | 82 | 67 | 82 | 92 | 92 | 45 | 45 | 67 | 67 | | |
| 68 | 56 | 81 | 66 | 81 | 91 | 91 | 44 | 44 | 66 | 66 | | |
| 67 | 55 | 80 | 65 | 80 | 90 | 90 | 44 | 44 | 65 | 65 | | |
| 66 | 54 | 79 | 64 | 79 | 89 | 89 | 43 | 43 | 64 | 64 | | |
| 65 | 53 | 78 | 63 | 78 | 88 | 88 | 42 | 42 | 63 | 63 | | |
| 64 | 52 | 77 | 62 | 77 | 87 | 87 | 42 | 42 | 62 | 62 | | |
| 63 | 51 | 76 | 61 | 76 | 86 | 86 | 41 | 41 | 61 | 61 | | |
| 62 | 50 | 75 | 60 | 75 | 85 | 85 | 40 | 40 | 60 | 60 | | |
| 61 | 49 | 74 | 59 | 74 | 84 | 84 | 40 | 40 | 59 | 59 | | |
| 60 | 48 | 73 | 58 | 73 | 83 | 83 | 39 | 39 | 58 | 58 | | |
| 59 | 47 | 72 | 57 | 72 | 82 | 82 | 39 | 39 | 57 | 57 | | |
| 58 | 46 | 71 | 56 | 71 | 81 | 81 | 39 | 39 | 56 | 56 | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|--|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | RAW SCORE | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 57 | 51 | 57 | 64 | 74 | 38 | 55 | | | | | | |
| 56 | 50 | 56 | 62 | 73 | 37 | 54 | | | | | | |
| 55 | 49 | 55 | 61 | 71 | 37 | 53 | | | | | | |
| 54 | 49 | 54 | 60 | 70 | 36 | 52 | | | | | | |
| 53 | 48 | 53 | 59 | 69 | 35 | 51 | | | | | | |
| 52 | 47 | 52 | 58 | 68 | 35 | 50 | | | | | | |
| 51 | 46 | 51 | 57 | 67 | 34 | 49 | | | | | | |
| 50 | 45 | 51 | 56 | 66 | 33 | 48 | | | | | | |
| 49 | 44 | 50 | 54 | 65 | 33 | 47 | | | | | | |
| 48 | 44 | 49 | 53 | 63 | 32 | 46 | | | | | | |
| 47 | 43 | 48 | 52 | 62 | 31 | 45 | | | | | | |
| 46 | 42 | 47 | 51 | 61 | 31 | 44 | | | | | | |
| 45 | 41 | 46 | 50 | 60 | 30 | 43 | | | | | | |
| 44 | 40 | 45 | 48 | 59 | 30 | 42 | | | | | | |
| 43 | 39 | 44 | 47 | 58 | 29 | 41 | | | | | | |
| 42 | 38 | 43 | 46 | 56 | 28 | 40 | | | | | | |
| 41 | 38 | 42 | 45 | 55 | 28 | 39 | | | | | | |
| 40 | 37 | 41 | 44 | 54 | 27 | 38 | | | | | | |
| 39 | 36 | 40 | 43 | 53 | 26 | 37 | | | | | | |
| 38 | 35 | 39 | 41 | 52 | 26 | 36 | | | | | | |
| 37 | 34 | 38 | 40 | 51 | 25 | 35 | | | | | | |
| 36 | 33 | 37 | 39 | 49 | 24 | 34 | | | | | | |
| 35 | 33 | 36 | 38 | 48 | 24 | 33 | | | | | | |
| 34 | 32 | 35 | 37 | 47 | 23 | 32 | | | | | | |
| 33 | 31 | 34 | 36 | 46 | 23 | 31 | | | | | | |
| 32 | 30 | 33 | 34 | 45 | 22 | 30 | | | | | | |
| 31 | 29 | 32 | 33 | 44 | 21 | 29 | | | | | | |
| 30 | 28 | 31 | 32 | 43 | 21 | 28 | | | | | | |
| 29 | 27 | 30 | 31 | 41 | 20 | 27 | | | | | | |
| 28 | 27 | 30 | 30 | 40 | 19 | 26 | | | | | | |
| 27 | 26 | 29 | 29 | 39 | 19 | 25 | | | | | | |
| 26 | 25 | 28 | 27 | 38 | 18 | 24 | | | | | | |
| 25 | 24 | 27 | 26 | 37 | 17 | 23 | | | | | | |
| 24 | 23 | 26 | 25 | 36 | 17 | 22 | | | | | | |
| 23 | 22 | 25 | 24 | 34 | 16 | 21 | | | | | | |
| 22 | 22 | 24 | 23 | 33 | 16 | 20 | | | | | | |
| 21 | 21 | 23 | 22 | 32 | 15 | 19 | | | | | | |
| 20 | 20 | 22 | 20 | 31 | 14 | 18 | | | | | | |
| 19 | 19 | 21 | 19 | 30 | 14 | 17 | | | | | | |
| 18 | 18 | 20 | 18 | 29 | 13 | 16 | | | | | | |
| 17 | 17 | 19 | 17 | 27 | 12 | 15 | | | | | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION; EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM S | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|---|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 16 | 16 | 18 | 16 | 16 | 26 | 12 | 14 | 14 | | | | |
| 15 | 16 | 17 | 15 | 15 | 25 | 11 | 13 | 13 | | | | |
| 14 | 15 | 16 | 13 | 13 | 24 | 10 | 12 | 12 | | | | |
| 13 | 14 | 15 | 12 | 12 | 23 | 10 | 11 | 11 | | | | |
| 12 | 13 | 14 | 11 | 11 | 22 | 9 | 10 | 10 | | | | |
| 11 | 12 | 13 | 10 | 10 | 21 | 9 | 9 | 9 | | | | |
| 10 | 11 | 12 | 9 | 9 | 19 | 9 | 9 | 9 | | | | |
| 9 | 11 | 11 | 8 | 8 | 18 | 7 | 7 | 7 | | | | |
| 8 | 10 | 10 | 6 | 6 | 17 | 7 | 6 | 6 | | | | |
| 7 | 9 | 9 | 5 | 5 | 16 | 6 | 5 | 5 | | | | |
| 6 | 8 | 9 | 4 | 4 | 15 | 5 | 4 | 4 | | | | |
| 5 | 7 | 8 | 3 | 3 | 14 | 5 | 3 | 3 | | | | |
| 4 | 6 | 7 | 2 | 2 | 12 | 4 | 2 | 2 | | | | |
| 3 | 5 | 6 | 1 | 1 | 11 | 3 | 1 | 1 | | | | |
| 2 | 5 | 5 | - | - | 10 | 3 | 0 | 0 | | | | |
| 1 | 4 | 4 | - | - | 9 | 2 | - | - | | | | |
| 0 | 3 | 3 | - | - | 8 | 2 | - | - | | | | |

TABLE 134. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 82 | 85 | 102 | 95 | 60 | 90 | 98 |
| 81 | 84 | 101 | 95 | 59 | 89 | 96 |
| 80 | 83 | 100 | 94 | 59 | 88 | 94 |
| 79 | 82 | 99 | 94 | 58 | 87 | 92 |
| 78 | 81 | 98 | 93 | 57 | 86 | 91 |
| 77 | 80 | 97 | 93 | 56 | 85 | 89 |
| 76 | 79 | 95 | 92 | 55 | 84 | 86 |
| 75 | 78 | 94 | 91 | 55 | 83 | 86 |
| 74 | 78 | 93 | 91 | 54 | 82 | 85 |
| 73 | 77 | 92 | 91 | 53 | 81 | 84 |
| 72 | 76 | 91 | 90 | 53 | 80 | 83 |
| 71 | 76 | 90 | 90 | 52 | 79 | 82 |
| 70 | 75 | 89 | 89 | 52 | 78 | 80 |
| 69 | 74 | 88 | 89 | 51 | 77 | 79 |
| 68 | 74 | 87 | 88 | 50 | 76 | 78 |
| 67 | 73 | 86 | 88 | 50 | 75 | 77 |
| 66 | 72 | 84 | 87 | 49 | 74 | 76 |
| 65 | 71 | 83 | 87 | 48 | 73 | 74 |
| 64 | 70 | 82 | 86 | 48 | 72 | 73 |
| 63 | 69 | 81 | 86 | 47 | 71 | 72 |
| 62 | 69 | 79 | 85 | 46 | 70 | 70 |
| 61 | 68 | 78 | 85 | 45 | 69 | 69 |
| 60 | 67 | 77 | 84 | 45 | 68 | 68 |
| 59 | 66 | 76 | 83 | 44 | 66 | 67 |
| 58 | 65 | 74 | 83 | 43 | 65 | 66 |
| 57 | 65 | 73 | 82 | 42 | 64 | 64 |
| 56 | 64 | 72 | 81 | 42 | 63 | 63 |
| 55 | 63 | 70 | 80 | 41 | 61 | 62 |
| 54 | 62 | 69 | 80 | 40 | 60 | 61 |
| 53 | 61 | 68 | 79 | 39 | 58 | 59 |
| 52 | 60 | 66 | 78 | 39 | 57 | 58 |
| 51 | 59 | 65 | 77 | 38 | 55 | 57 |
| 50 | 58 | 63 | 76 | 37 | 54 | 56 |
| 49 | 56 | 62 | 75 | 36 | 52 | 54 |
| 48 | 55 | 60 | 74 | 36 | 51 | 53 |
| 47 | 54 | 58 | 73 | 35 | 50 | 52 |
| 46 | 53 | 56 | 72 | 34 | 49 | 50 |
| 45 | 52 | 55 | 70 | 33 | 47 | 49 |
| 44 | 51 | 53 | 69 | 33 | 45 | 48 |
| 43 | 50 | 52 | 68 | 32 | 44 | 47 |
| 42 | 48 | 50 | 66 | 31 | 43 | 45 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITRS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 41 | 47 | 48 | 64 | 30 | 30 | 41 | 44 | | | | | | | |
| 40 | 46 | 46 | 63 | 29 | 29 | 40 | 43 | | | | | | | |
| 39 | 44 | 45 | 61 | 29 | 29 | 39 | 42 | | | | | | | |
| 38 | 43 | 43 | 60 | 28 | 28 | 37 | 40 | | | | | | | |
| 37 | 41 | 41 | 58 | 27 | 27 | 36 | 39 | | | | | | | |
| 36 | 40 | 40 | 56 | 27 | 27 | 35 | 38 | | | | | | | |
| 35 | 39 | 39 | 55 | 26 | 26 | 34 | 37 | | | | | | | |
| 34 | 38 | 37 | 54 | 25 | 25 | 33 | 36 | | | | | | | |
| 33 | 36 | 36 | 51 | 24 | 24 | 32 | 34 | | | | | | | |
| 32 | 35 | 34 | 49 | 23 | 23 | 31 | 33 | | | | | | | |
| 31 | 34 | 33 | 47 | 22 | 22 | 30 | 32 | | | | | | | |
| 30 | 32 | 32 | 45 | 22 | 22 | 29 | 31 | | | | | | | |
| 29 | 31 | 31 | 43 | 21 | 21 | 28 | 30 | | | | | | | |
| 28 | 30 | 30 | 41 | 20 | 20 | 27 | 29 | | | | | | | |
| 27 | 29 | 29 | 39 | 19 | 19 | 26 | 28 | | | | | | | |
| 26 | 28 | 29 | 37 | 19 | 19 | 25 | 27 | | | | | | | |
| 25 | 27 | 28 | 36 | 18 | 18 | 25 | 27 | | | | | | | |
| 24 | 26 | 27 | 34 | 17 | 17 | 24 | 26 | | | | | | | |
| 23 | 24 | 26 | 31 | 17 | 17 | 23 | 25 | | | | | | | |
| 22 | 23 | 26 | 29 | 16 | 16 | 22 | 24 | | | | | | | |
| 21 | 22 | 25 | 28 | 15 | 15 | 21 | 23 | | | | | | | |
| 20 | 21 | 24 | 26 | 15 | 15 | 20 | 22 | | | | | | | |
| 19 | 20 | 23 | 25 | 14 | 14 | 20 | 21 | | | | | | | |
| 18 | 19 | 22 | 23 | 13 | 13 | 19 | 20 | | | | | | | |
| 17 | 18 | 21 | 22 | 12 | 12 | 19 | 19 | | | | | | | |
| 16 | 18 | 20 | 20 | 11 | 11 | 17 | 18 | | | | | | | |
| 15 | 17 | 19 | 19 | 11 | 11 | 16 | 17 | | | | | | | |
| 14 | 16 | 18 | 18 | 10 | 10 | 15 | 15 | | | | | | | |
| 13 | 14 | 16 | 16 | 9 | 9 | 13 | 13 | | | | | | | |
| 12 | 13 | 15 | 15 | 8 | 8 | 12 | 11 | | | | | | | |
| 11 | 11 | 13 | 13 | 8 | 8 | 11 | 9 | | | | | | | |
| 10 | 10 | 11 | 12 | 7 | 7 | 10 | 8 | | | | | | | |
| 9 | 8 | 9 | 11 | 6 | 6 | 7 | 7 | | | | | | | |
| 8 | 6 | 7 | 9 | 5 | 5 | 5 | 5 | | | | | | | |
| 7 | 5 | 5 | 8 | 5 | 5 | 4 | 4 | | | | | | | |
| 6 | 3 | 3 | 7 | 4 | 4 | 3 | 3 | | | | | | | |
| 5 | 1 | 1 | 5 | 3 | 3 | 1 | 1 | | | | | | | |
| 4 | 0 | 0 | 4 | 2 | 2 | 0 | 0 | | | | | | | |
| 3 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | | | | | | | |
| 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | | | | | | | |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTRS (68 ED.) LEVEL 2 FORM Q TOTAL READING | ITRS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|--|---|--|---|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) | | LBS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|---------------|--------------------|---------------|----------------------|---------------|-------------------|---------------|----------------|---------------|--------------------------|---------------|
| | LEVEL 3 FORM A | TOTAL READING | LEVEL 10 FORM 5 | TOTAL READING | ELEMENTARY FORM F | TOTAL READING | LEVEL 4 FORM A | TOTAL READING | BLUE FORM E | TOTAL READING | INTERMEDIATE I FORM W | TOTAL READING |
| 85 | 102 | 95 | 60 | 90 | 98 | | | | | | | |
| 84 | 101 | 95 | 59 | 89 | 96 | | | | | | | |
| 83 | 100 | 94 | 59 | 88 | 94 | | | | | | | |
| 82 | 99 | 94 | 58 | 87 | 92 | | | | | | | |
| 81 | 98 | 93 | 57 | 86 | 91 | | | | | | | |
| 80 | 97 | 93 | 56 | 85 | 89 | | | | | | | |
| 79 | 95 | 92 | 55 | 84 | 87 | | | | | | | |
| 78 | 93 | 91 | 54 | 83 | 86 | | | | | | | |
| 77 | 92 | 91 | 53 | 81 | 84 | | | | | | | |
| 76 | 91 | 90 | 52 | 80 | 82 | | | | | | | |
| 75 | 89 | 89 | 52 | 79 | 81 | | | | | | | |
| 74 | 87 | 89 | 51 | 77 | 79 | | | | | | | |
| 73 | 86 | 88 | 50 | 76 | 77 | | | | | | | |
| 72 | 84 | 87 | 49 | 74 | 76 | | | | | | | |
| 71 | 83 | 87 | 48 | 73 | 74 | | | | | | | |
| 70 | 81 | 86 | 47 | 72 | 73 | | | | | | | |
| 69 | 80 | 85 | 47 | 71 | 71 | | | | | | | |
| 68 | 78 | 85 | 46 | 69 | 70 | | | | | | | |
| 67 | 77 | 84 | 45 | 68 | 68 | | | | | | | |
| 66 | 75 | 83 | 44 | 66 | 67 | | | | | | | |
| 65 | 74 | 82 | 43 | 65 | 65 | | | | | | | |
| 64 | 72 | 82 | 42 | 63 | 63 | | | | | | | |
| 63 | 71 | 81 | 41 | 62 | 62 | | | | | | | |
| 62 | 69 | 80 | 40 | 60 | 61 | | | | | | | |
| 61 | 68 | 79 | 40 | 58 | 60 | | | | | | | |
| 60 | 67 | 78 | 39 | 57 | 59 | | | | | | | |
| 59 | 65 | 77 | 38 | 56 | 57 | | | | | | | |
| 58 | 64 | 76 | 37 | 54 | 56 | | | | | | | |
| 57 | 62 | 75 | 37 | 53 | 55 | | | | | | | |
| 56 | 61 | 74 | 36 | 52 | 54 | | | | | | | |
| 55 | 60 | 74 | 36 | 51 | 53 | | | | | | | |
| 54 | 58 | 72 | 35 | 49 | 51 | | | | | | | |
| 53 | 56 | 71 | 34 | 48 | 50 | | | | | | | |
| 52 | 55 | 70 | 33 | 47 | 49 | | | | | | | |
| 51 | 54 | 69 | 33 | 46 | 48 | | | | | | | |
| 50 | 52 | 68 | 32 | 44 | 47 | | | | | | | |
| 49 | 51 | 67 | 31 | 43 | 46 | | | | | | | |
| 48 | 50 | 66 | 31 | 42 | 45 | | | | | | | |
| 47 | 48 | 65 | 30 | 41 | 44 | | | | | | | |
| 46 | 47 | 63 | 30 | 40 | 43 | | | | | | | |
| 45 | 46 | 62 | 29 | 39 | 42 | | | | | | | |

TABLE 135. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q | CAT (70 ED.) LEVEL 3 FORM A | ITRS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 44 | 39 | 44 | 61 | 79 | 38 | 41 |
| 43 | 38 | 43 | 60 | 78 | 38 | 40 |
| 42 | 37 | 42 | 58 | 27 | 37 | 39 |
| 41 | 36 | 41 | 57 | 27 | 36 | 38 |
| 40 | 36 | 40 | 56 | 26 | 35 | 38 |
| 39 | 35 | 39 | 54 | 26 | 34 | 37 |
| 38 | 34 | 37 | 53 | 25 | 33 | 36 |
| 37 | 33 | 36 | 52 | 24 | 32 | 35 |
| 36 | 33 | 35 | 50 | 24 | 31 | 34 |
| 35 | 32 | 35 | 49 | 23 | 31 | 33 |
| 34 | 31 | 34 | 48 | 23 | 30 | 33 |
| 33 | 31 | 33 | 46 | 22 | 29 | 32 |
| 32 | 30 | 32 | 45 | 22 | 29 | 31 |
| 31 | 29 | 31 | 43 | 21 | 28 | 30 |
| 30 | 28 | 31 | 42 | 20 | 27 | 30 |
| 29 | 27 | 30 | 40 | 20 | 26 | 29 |
| 28 | 26 | 29 | 38 | 19 | 26 | 28 |
| 27 | 26 | 28 | 36 | 18 | 25 | 27 |
| 26 | 25 | 28 | 35 | 18 | 24 | 26 |
| 25 | 24 | 27 | 33 | 17 | 23 | 25 |
| 24 | 23 | 26 | 31 | 17 | 22 | 24 |
| 23 | 22 | 25 | 29 | 16 | 22 | 23 |
| 22 | 21 | 24 | 27 | 15 | 21 | 23 |
| 21 | 20 | 24 | 26 | 14 | 20 | 22 |
| 20 | 19 | 23 | 24 | 14 | 19 | 21 |
| 19 | 18 | 22 | 23 | 13 | 19 | 20 |
| 18 | 17 | 21 | 21 | 12 | 17 | 18 |
| 17 | 15 | 20 | 20 | 11 | 16 | 17 |
| 16 | 14 | 18 | 18 | 10 | 15 | 16 |
| 15 | 13 | 17 | 17 | 10 | 14 | 14 |
| 14 | 13 | 16 | 16 | 9 | 13 | 12 |
| 13 | 12 | 15 | 15 | 9 | 12 | 11 |
| 12 | 11 | 14 | 14 | 8 | 11 | 10 |
| 11 | 11 | 12 | 13 | 8 | 11 | 9 |
| 10 | 10 | 11 | 12 | 7 | 10 | 8 |
| 9 | 10 | 10 | 11 | 7 | 9 | 8 |
| 8 | 9 | 9 | 11 | 6 | 8 | 7 |
| 7 | 8 | 8 | 10 | 6 | 8 | 6 |
| 6 | 7 | 7 | 9 | 5 | 7 | 5 |
| 5 | 7 | 6 | 8 | 5 | 6 | 4 |
| 4 | 6 | 5 | 7 | 4 | 5 | 3 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM Q | CAT (70 ED.) LEVEL 3 FORM A | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 3 | 6 | 3 | 7 | 4 | 4 | 3 |
| 2 | 5 | 2 | 6 | 3 | 4 | 2 |
| 1 | 5 | 1 | 5 | 3 | 3 | 1 |
| 0 | 4 | 0 | 4 | 2 | 2 | 0 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 106 | 82 | 85 | 95 | 60 | 90 | 98 | | | | | | |
| 105 | 82 | 85 | 95 | 60 | 90 | 98 | | | | | | |
| 104 | 82 | 85 | 95 | 60 | 90 | 98 | | | | | | |
| 103 | 82 | 85 | 95 | 60 | 90 | 98 | | | | | | |
| 102 | 82 | 85 | 95 | 60 | 90 | 98 | | | | | | |
| 101 | 81 | 84 | 95 | 59 | 89 | 96 | | | | | | |
| 100 | 90 | 82 | 94 | 59 | 83 | 95 | | | | | | |
| 99 | 79 | 92 | 94 | 58 | 87 | 93 | | | | | | |
| 98 | 78 | 81 | 93 | 57 | 86 | 91 | | | | | | |
| 97 | 77 | 81 | 93 | 56 | 85 | 90 | | | | | | |
| 96 | 77 | 81 | 92 | 56 | 84 | 88 | | | | | | |
| 95 | 76 | 79 | 92 | 55 | 84 | 87 | | | | | | |
| 94 | 75 | 78 | 92 | 55 | 83 | 86 | | | | | | |
| 93 | 74 | 91 | 82 | 54 | 82 | 85 | | | | | | |
| 92 | 73 | 77 | 91 | 53 | 81 | 84 | | | | | | |
| 91 | 72 | 76 | 90 | 53 | 80 | 83 | | | | | | |
| 90 | 71 | 76 | 90 | 52 | 79 | 82 | | | | | | |
| 89 | 70 | 75 | 89 | 52 | 79 | 81 | | | | | | |
| 88 | 69 | 74 | 89 | 51 | 78 | 80 | | | | | | |
| 87 | 68 | 74 | 88 | 51 | 77 | 79 | | | | | | |
| 86 | 67 | 73 | 88 | 50 | 76 | 78 | | | | | | |
| 85 | 67 | 72 | 88 | 49 | 75 | 76 | | | | | | |
| 84 | 66 | 72 | 87 | 49 | 74 | 75 | | | | | | |
| 83 | 65 | 71 | 87 | 48 | 73 | 74 | | | | | | |
| 82 | 64 | 71 | 86 | 48 | 73 | 73 | | | | | | |
| 81 | 63 | 70 | 86 | 47 | 72 | 72 | | | | | | |
| 80 | 63 | 69 | 95 | 47 | 71 | 71 | | | | | | |
| 79 | 62 | 68 | 85 | 46 | 70 | 70 | | | | | | |
| 78 | 61 | 68 | 84 | 45 | 69 | 69 | | | | | | |
| 77 | 60 | 67 | 84 | 45 | 68 | 68 | | | | | | |
| 76 | 59 | 66 | 84 | 44 | 67 | 67 | | | | | | |
| 75 | 59 | 66 | 83 | 43 | 66 | 66 | | | | | | |
| 74 | 58 | 65 | 82 | 43 | 65 | 65 | | | | | | |
| 73 | 57 | 65 | 82 | 42 | 64 | 64 | | | | | | |
| 72 | 56 | 64 | 81 | 42 | 63 | 63 | | | | | | |
| 71 | 56 | 63 | 81 | 41 | 62 | 62 | | | | | | |
| 70 | 55 | 63 | 80 | 41 | 61 | 61 | | | | | | |
| 69 | 54 | 62 | 80 | 40 | 60 | 60 | | | | | | |
| 68 | 53 | 61 | 79 | 40 | 59 | 59 | | | | | | |
| 67 | 53 | 60 | 78 | 39 | 58 | 58 | | | | | | |
| 66 | 52 | 60 | 78 | 39 | 58 | 58 | | | | | | |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (71 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 65 | 51 | 59 | 77 | 33 | 55 | 57 | 55 | 57 | 57 | 57 | | |
| 64 | 51 | 58 | 76 | 38 | 54 | 56 | 54 | 56 | 56 | 56 | | |
| 63 | 50 | 57 | 76 | 37 | 54 | 55 | 54 | 55 | 55 | 55 | | |
| 62 | 49 | 57 | 75 | 37 | 53 | 55 | 53 | 55 | 55 | 55 | | |
| 61 | 49 | 56 | 74 | 36 | 52 | 54 | 52 | 54 | 54 | 54 | | |
| 60 | 48 | 55 | 74 | 36 | 51 | 53 | 51 | 53 | 53 | 53 | | |
| 59 | 48 | 55 | 73 | 35 | 50 | 52 | 50 | 52 | 52 | 52 | | |
| 58 | 47 | 54 | 73 | 35 | 49 | 52 | 49 | 52 | 52 | 52 | | |
| 57 | 46 | 54 | 72 | 34 | 48 | 51 | 48 | 51 | 51 | 51 | | |
| 56 | 46 | 53 | 71 | 34 | 48 | 50 | 48 | 50 | 50 | 50 | | |
| 55 | 45 | 52 | 70 | 33 | 47 | 49 | 47 | 49 | 49 | 49 | | |
| 54 | 45 | 51 | 70 | 33 | 46 | 48 | 46 | 48 | 48 | 48 | | |
| 53 | 44 | 51 | 69 | 32 | 45 | 48 | 45 | 48 | 48 | 48 | | |
| 52 | 43 | 50 | 68 | 32 | 44 | 47 | 44 | 47 | 47 | 47 | | |
| 51 | 43 | 49 | 67 | 32 | 44 | 46 | 44 | 46 | 46 | 46 | | |
| 50 | 42 | 48 | 66 | 31 | 43 | 45 | 43 | 45 | 45 | 45 | | |
| 49 | 42 | 48 | 65 | 31 | 42 | 44 | 42 | 44 | 44 | 44 | | |
| 48 | 41 | 47 | 65 | 30 | 41 | 43 | 41 | 43 | 43 | 43 | | |
| 47 | 41 | 46 | 64 | 30 | 40 | 42 | 40 | 42 | 42 | 42 | | |
| 46 | 40 | 45 | 62 | 29 | 40 | 41 | 40 | 41 | 41 | 41 | | |
| 45 | 39 | 45 | 61 | 29 | 39 | 40 | 39 | 40 | 40 | 40 | | |
| 44 | 39 | 44 | 60 | 28 | 38 | 39 | 38 | 39 | 39 | 39 | | |
| 43 | 38 | 43 | 59 | 28 | 37 | 38 | 37 | 38 | 38 | 38 | | |
| 42 | 37 | 42 | 59 | 27 | 37 | 37 | 37 | 37 | 37 | 37 | | |
| 41 | 37 | 41 | 58 | 27 | 36 | 36 | 36 | 36 | 36 | 36 | | |
| 40 | 35 | 41 | 56 | 27 | 35 | 35 | 35 | 35 | 35 | 35 | | |
| 39 | 35 | 40 | 55 | 26 | 34 | 34 | 34 | 34 | 34 | 34 | | |
| 38 | 35 | 39 | 54 | 25 | 34 | 33 | 34 | 33 | 33 | 33 | | |
| 37 | 34 | 38 | 52 | 25 | 33 | 33 | 33 | 33 | 33 | 33 | | |
| 36 | 33 | 37 | 51 | 24 | 32 | 32 | 32 | 32 | 32 | 32 | | |
| 35 | 32 | 36 | 50 | 24 | 31 | 31 | 31 | 31 | 31 | 31 | | |
| 34 | 32 | 34 | 48 | 23 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| 33 | 31 | 33 | 46 | 22 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| 32 | 30 | 32 | 45 | 21 | 28 | 28 | 28 | 28 | 28 | 28 | | |
| 31 | 29 | 31 | 43 | 21 | 28 | 27 | 28 | 27 | 27 | 27 | | |
| 30 | 28 | 29 | 40 | 20 | 27 | 27 | 27 | 27 | 27 | 27 | | |
| 29 | 26 | 28 | 38 | 19 | 26 | 26 | 26 | 26 | 26 | 26 | | |
| 28 | 25 | 27 | 36 | 18 | 25 | 25 | 25 | 25 | 25 | 25 | | |
| 27 | 24 | 25 | 33 | 17 | 24 | 24 | 24 | 24 | 24 | 24 | | |
| 26 | 23 | 24 | 31 | 17 | 23 | 23 | 23 | 23 | 23 | 23 | | |
| 25 | 21 | 23 | 28 | 16 | 22 | 22 | 22 | 22 | 22 | 22 | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTBS (68 ED.) LEVEL 2 FORM C TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM M TOTAL READING |
|---|--|---|--|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 95 | 82 | 85 | 102 | 60 | 90 | 97 |
| 94 | 80 | 83 | 99 | 58 | 87 | 94 |
| 93 | 78 | 81 | 97 | 57 | 85 | 90 |
| 92 | 76 | 79 | 95 | 55 | 84 | 87 |
| 91 | 74 | 78 | 93 | 54 | 82 | 85 |
| 90 | 72 | 76 | 91 | 53 | 80 | 83 |
| 89 | 70 | 75 | 89 | 51 | 78 | 80 |
| 88 | 68 | 73 | 86 | 50 | 76 | 78 |
| 87 | 66 | 72 | 84 | 49 | 74 | 75 |
| 86 | 64 | 70 | 81 | 48 | 72 | 73 |
| 85 | 62 | 69 | 79 | 46 | 70 | 70 |
| 84 | 60 | 67 | 77 | 45 | 68 | 68 |
| 83 | 59 | 66 | 75 | 44 | 66 | 66 |
| 82 | 57 | 65 | 73 | 42 | 64 | 64 |
| 81 | 56 | 63 | 71 | 41 | 62 | 63 |
| 80 | 55 | 62 | 70 | 41 | 60 | 61 |
| 79 | 53 | 61 | 68 | 40 | 58 | 60 |
| 78 | 52 | 60 | 66 | 39 | 57 | 58 |
| 77 | 51 | 59 | 65 | 38 | 55 | 57 |
| 76 | 50 | 58 | 63 | 37 | 54 | 56 |
| 75 | 49 | 57 | 62 | 37 | 53 | 54 |
| 74 | 48 | 56 | 60 | 36 | 51 | 53 |
| 73 | 47 | 55 | 59 | 35 | 50 | 52 |
| 72 | 46 | 54 | 57 | 35 | 49 | 51 |
| 71 | 46 | 53 | 56 | 34 | 47 | 50 |
| 70 | 45 | 52 | 55 | 33 | 46 | 49 |
| 69 | 44 | 51 | 53 | 33 | 45 | 48 |
| 68 | 43 | 50 | 52 | 32 | 44 | 47 |
| 67 | 43 | 49 | 51 | 31 | 43 | 46 |
| 66 | 42 | 48 | 50 | 31 | 43 | 45 |
| 65 | 41 | 47 | 49 | 30 | 42 | 45 |
| 64 | 41 | 46 | 48 | 30 | 41 | 44 |
| 63 | 40 | 46 | 47 | 30 | 40 | 43 |
| 62 | 40 | 45 | 46 | 29 | 39 | 42 |
| 61 | 39 | 44 | 45 | 29 | 39 | 42 |
| 60 | 38 | 43 | 44 | 28 | 38 | 41 |
| 59 | 38 | 43 | 43 | 28 | 37 | 40 |
| 58 | 37 | 42 | 42 | 27 | 36 | 39 |
| 57 | 36 | 41 | 41 | 27 | 36 | 38 |
| 56 | 36 | 40 | 40 | 26 | 35 | 38 |
| 55 | 35 | 40 | 39 | 26 | 34 | 37 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) ELEMENTARY FORM F | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|--------------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 13 | 11 | 11 | 11 | 12 | 8 | 11 | 11 | 11 | 9 | 9 | | |
| 12 | 10 | 10 | 10 | 11 | 7 | 10 | 10 | 10 | 8 | 8 | | |
| 11 | 9 | 9 | 9 | 10 | 6 | 9 | 9 | 9 | 7 | 7 | | |
| 10 | 9 | 7 | 7 | 8 | 6 | 8 | 8 | 8 | 6 | 6 | | |
| 9 | 8 | 6 | 6 | 7 | 5 | 7 | 7 | 7 | 5 | 5 | | |
| 8 | 7 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | | |
| 7 | 6 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | | |
| 6 | 6 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | | |
| 5 | 5 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 1 | 1 | | |
| 4 | 4 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | | |
| 3 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | | |
| 2 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | | |
| 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |



TABLE 138. ANCHOR TEST EQUATING STUDY: GRADE 4

QUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MA (70 ED.) ELEMENTARY FORM F | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|---------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|-------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 60 | 82 | 95 | 102 | 95 | 90 | 97 |
| 59 | 81 | 84 | 101 | 95 | 89 | 95 |
| 58 | 79 | 82 | 99 | 94 | 87 | 93 |
| 57 | 78 | 81 | 98 | 93 | 86 | 91 |
| 56 | 77 | 80 | 97 | 93 | 85 | 89 |
| 55 | 76 | 79 | 95 | 92 | 84 | 87 |
| 54 | 74 | 78 | 93 | 91 | 82 | 85 |
| 53 | 73 | 77 | 92 | 90 | 81 | 83 |
| 52 | 71 | 76 | 90 | 90 | 79 | 81 |
| 51 | 69 | 74 | 89 | 89 | 78 | 80 |
| 50 | 67 | 73 | 86 | 88 | 76 | 78 |
| 49 | 66 | 72 | 84 | 87 | 74 | 76 |
| 48 | 65 | 71 | 82 | 86 | 73 | 74 |
| 47 | 63 | 70 | 81 | 86 | 71 | 72 |
| 46 | 62 | 69 | 79 | 85 | 70 | 70 |
| 45 | 61 | 67 | 78 | 84 | 68 | 69 |
| 44 | 59 | 66 | 76 | 84 | 67 | 67 |
| 43 | 58 | 65 | 74 | 83 | 65 | 65 |
| 42 | 57 | 64 | 72 | 82 | 63 | 64 |
| 41 | 55 | 63 | 71 | 81 | 61 | 62 |
| 40 | 54 | 62 | 69 | 80 | 59 | 61 |
| 39 | 53 | 60 | 67 | 78 | 57 | 59 |
| 38 | 51 | 59 | 65 | 77 | 55 | 57 |
| 37 | 50 | 57 | 63 | 76 | 53 | 55 |
| 36 | 48 | 56 | 61 | 74 | 51 | 53 |
| 35 | 47 | 54 | 58 | 73 | 50 | 52 |
| 34 | 46 | 53 | 56 | 71 | 48 | 50 |
| 33 | 45 | 52 | 54 | 70 | 46 | 49 |
| 32 | 43 | 50 | 52 | 68 | 44 | 47 |
| 31 | 42 | 49 | 50 | 66 | 43 | 45 |
| 30 | 41 | 47 | 48 | 64 | 41 | 44 |
| 29 | 40 | 45 | 45 | 62 | 39 | 42 |
| 28 | 38 | 43 | 43 | 60 | 38 | 40 |
| 27 | 37 | 41 | 41 | 58 | 36 | 39 |
| 26 | 35 | 40 | 39 | 55 | 35 | 37 |
| 25 | 34 | 39 | 37 | 53 | 33 | 36 |
| 24 | 33 | 36 | 36 | 51 | 32 | 34 |
| 23 | 32 | 35 | 34 | 48 | 30 | 33 |
| 22 | 31 | 33 | 33 | 46 | 29 | 32 |
| 21 | 29 | 31 | 32 | 44 | 28 | 30 |
| 20 | 28 | 30 | 30 | 41 | 27 | 29 |



SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2. EQUIPERCENTILE METHOD

| STEP-II (69 ED.) | | CAT (70 ED.) | | CTAS (68 ED.) | | ITRS (71 ED.) | | MAT (70 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|------------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|----------------|------------------|
| LEVEL 4 | | LEVEL 3 | | LEVEL 2 | | LEVEL 10 | | ELEMENTARY | | BLUE | | INTERMEDIATE I | |
| FORM A | | FORM A | | FORM C | | FORM 5 | | FORM F | | FORM E | | FORM W | |
| TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 19 | 24 | 29 | 29 | 38 | 26 | 26 | 28 | 35 | 24 | 24 | 26 | 28 | 28 |
| 18 | 25 | 26 | 28 | 35 | 27 | 27 | 27 | 32 | 23 | 23 | 24 | 26 | 26 |
| 17 | 23 | 25 | 27 | 32 | 25 | 25 | 25 | 29 | 22 | 22 | 23 | 25 | 25 |
| 16 | 22 | 23 | 24 | 29 | 24 | 24 | 24 | 27 | 21 | 21 | 22 | 24 | 24 |
| 15 | 21 | 22 | 23 | 27 | 23 | 23 | 23 | 25 | 20 | 20 | 22 | 22 | 22 |
| 14 | 19 | 21 | 22 | 25 | 21 | 21 | 21 | 23 | 19 | 19 | 20 | 21 | 21 |
| 13 | 18 | 19 | 20 | 23 | 18 | 18 | 18 | 21 | 18 | 18 | 19 | 20 | 20 |
| 12 | 17 | 18 | 19 | 21 | 17 | 17 | 17 | 20 | 16 | 16 | 18 | 19 | 19 |
| 11 | 16 | 17 | 18 | 20 | 16 | 16 | 16 | 18 | 15 | 15 | 16 | 17 | 17 |
| 10 | 14 | 16 | 16 | 18 | 14 | 14 | 14 | 16 | 13 | 13 | 15 | 15 | 15 |
| 9 | 13 | 14 | 14 | 16 | 12 | 12 | 12 | 14 | 11 | 11 | 13 | 12 | 12 |
| 9 | 11 | 12 | 12 | 14 | 11 | 11 | 11 | 14 | 11 | 11 | 11 | 10 | 10 |
| 7 | 10 | 10 | 10 | 12 | 10 | 10 | 10 | 12 | 10 | 10 | 10 | 8 | 8 |
| 6 | 9 | 8 | 8 | 11 | 9 | 9 | 9 | 11 | 8 | 8 | 8 | 7 | 7 |
| 5 | 8 | 6 | 6 | 9 | 6 | 6 | 6 | 9 | 7 | 7 | 7 | 5 | 5 |
| 4 | 6 | 4 | 4 | 7 | 4 | 4 | 4 | 7 | 5 | 5 | 5 | 3 | 3 |
| 3 | 5 | 2 | 2 | 5 | 2 | 2 | 2 | 5 | 3 | 3 | 3 | 1 | 1 |
| 2 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 2 | 2 | 2 | 0 | 0 |
| 1 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E | | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM C | | ITRS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------------------------|------------------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--|------------------|
| RAW SCORE | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 90 | 87 | 85 | 102 | 95 | 60 | 98 | 96 | | | | | | |
| 89 | 87 | 84 | 101 | 95 | 59 | 96 | 94 | | | | | | |
| 89 | 80 | 83 | 100 | 94 | 59 | 94 | 93 | | | | | | |
| 87 | 79 | 82 | 99 | 94 | 58 | 91 | 91 | | | | | | |
| 86 | 78 | 81 | 98 | 93 | 57 | 90 | 90 | | | | | | |
| 85 | 77 | 80 | 97 | 93 | 56 | 88 | 88 | | | | | | |
| 84 | 76 | 79 | 96 | 92 | 55 | 86 | 86 | | | | | | |
| 83 | 75 | 78 | 95 | 92 | 55 | 85 | 85 | | | | | | |
| 82 | 74 | 78 | 93 | 91 | 54 | 84 | 84 | | | | | | |
| 81 | 73 | 77 | 92 | 90 | 53 | 82 | 82 | | | | | | |
| 80 | 72 | 76 | 91 | 89 | 52 | 81 | 81 | | | | | | |
| 79 | 71 | 75 | 90 | 89 | 51 | 80 | 80 | | | | | | |
| 78 | 70 | 75 | 88 | 87 | 51 | 79 | 79 | | | | | | |
| 77 | 69 | 74 | 87 | 86 | 50 | 78 | 78 | | | | | | |
| 76 | 68 | 73 | 86 | 85 | 50 | 77 | 77 | | | | | | |
| 75 | 67 | 73 | 85 | 84 | 49 | 75 | 75 | | | | | | |
| 74 | 66 | 72 | 84 | 83 | 48 | 74 | 74 | | | | | | |
| 73 | 65 | 71 | 83 | 81 | 47 | 73 | 73 | | | | | | |
| 72 | 64 | 70 | 81 | 80 | 46 | 71 | 71 | | | | | | |
| 71 | 63 | 69 | 80 | 79 | 46 | 70 | 70 | | | | | | |
| 70 | 62 | 68 | 78 | 85 | 46 | 69 | 69 | | | | | | |
| 69 | 61 | 67 | 77 | 84 | 45 | 68 | 68 | | | | | | |
| 68 | 60 | 66 | 76 | 84 | 44 | 67 | 67 | | | | | | |
| 67 | 59 | 65 | 75 | 83 | 44 | 66 | 66 | | | | | | |
| 66 | 58 | 64 | 74 | 83 | 43 | 65 | 65 | | | | | | |
| 65 | 57 | 63 | 73 | 82 | 42 | 64 | 64 | | | | | | |
| 64 | 56 | 62 | 72 | 81 | 41 | 63 | 63 | | | | | | |
| 63 | 55 | 61 | 70 | 80 | 41 | 62 | 62 | | | | | | |
| 62 | 54 | 60 | 69 | 79 | 40 | 61 | 61 | | | | | | |
| 61 | 53 | 59 | 68 | 78 | 39 | 60 | 60 | | | | | | |
| 60 | 52 | 58 | 67 | 77 | 38 | 59 | 59 | | | | | | |
| 59 | 51 | 57 | 66 | 77 | 38 | 58 | 58 | | | | | | |
| 58 | 50 | 56 | 65 | 76 | 37 | 57 | 57 | | | | | | |
| 57 | 49 | 55 | 64 | 75 | 37 | 56 | 56 | | | | | | |
| 56 | 48 | 54 | 63 | 74 | 36 | 55 | 55 | | | | | | |
| 55 | 47 | 53 | 62 | 73 | 36 | 54 | 54 | | | | | | |
| 54 | 46 | 52 | 61 | 72 | 35 | 53 | 53 | | | | | | |
| 53 | 45 | 51 | 60 | 71 | 35 | 52 | 52 | | | | | | |
| 52 | 44 | 50 | 59 | 70 | 35 | 51 | 51 | | | | | | |
| 51 | 43 | 49 | 58 | 69 | 35 | 50 | 50 | | | | | | |
| 50 | 42 | 48 | 57 | 68 | 35 | 49 | 49 | | | | | | |
| 49 | 41 | 47 | 56 | 67 | 35 | 48 | 48 | | | | | | |
| 48 | 40 | 46 | 66 | 66 | 35 | 47 | 47 | | | | | | |
| 47 | 39 | 45 | 65 | 65 | 35 | 46 | 46 | | | | | | |
| 46 | 38 | 44 | 64 | 64 | 35 | 45 | 45 | | | | | | |
| 45 | 37 | 43 | 63 | 63 | 35 | 44 | 44 | | | | | | |
| 44 | 36 | 42 | 62 | 62 | 35 | 43 | 43 | | | | | | |
| 43 | 35 | 41 | 61 | 61 | 35 | 42 | 42 | | | | | | |
| 42 | 34 | 40 | 60 | 60 | 35 | 41 | 41 | | | | | | |
| 41 | 33 | 39 | 59 | 59 | 35 | 40 | 40 | | | | | | |
| 40 | 32 | 38 | 58 | 58 | 35 | 39 | 39 | | | | | | |
| 39 | 31 | 37 | 57 | 57 | 35 | 38 | 38 | | | | | | |
| 38 | 30 | 36 | 56 | 56 | 35 | 37 | 37 | | | | | | |
| 37 | 29 | 35 | 55 | 55 | 35 | 36 | 36 | | | | | | |
| 36 | 28 | 34 | 54 | 54 | 35 | 35 | 35 | | | | | | |
| 35 | 27 | 33 | 53 | 53 | 35 | 34 | 34 | | | | | | |
| 34 | 26 | 32 | 52 | 52 | 35 | 33 | 33 | | | | | | |
| 33 | 25 | 31 | 51 | 51 | 35 | 32 | 32 | | | | | | |
| 32 | 24 | 30 | 50 | 50 | 35 | 31 | 31 | | | | | | |
| 31 | 23 | 29 | 49 | 49 | 35 | 30 | 30 | | | | | | |
| 30 | 22 | 28 | 48 | 48 | 35 | 29 | 29 | | | | | | |
| 29 | 21 | 27 | 47 | 47 | 35 | 28 | 28 | | | | | | |
| 28 | 20 | 26 | 46 | 46 | 35 | 27 | 27 | | | | | | |
| 27 | 19 | 25 | 45 | 45 | 35 | 26 | 26 | | | | | | |
| 26 | 18 | 24 | 44 | 44 | 35 | 25 | 25 | | | | | | |
| 25 | 17 | 23 | 43 | 43 | 35 | 24 | 24 | | | | | | |
| 24 | 16 | 22 | 42 | 42 | 35 | 23 | 23 | | | | | | |
| 23 | 15 | 21 | 41 | 41 | 35 | 22 | 22 | | | | | | |
| 22 | 14 | 20 | 40 | 40 | 35 | 21 | 21 | | | | | | |
| 21 | 13 | 19 | 39 | 39 | 35 | 20 | 20 | | | | | | |
| 20 | 12 | 18 | 38 | 38 | 35 | 19 | 19 | | | | | | |
| 19 | 11 | 17 | 37 | 37 | 35 | 18 | 18 | | | | | | |
| 18 | 10 | 16 | 36 | 36 | 35 | 17 | 17 | | | | | | |
| 17 | 9 | 15 | 35 | 35 | 35 | 16 | 16 | | | | | | |
| 16 | 8 | 14 | 34 | 34 | 35 | 15 | 15 | | | | | | |
| 15 | 7 | 13 | 33 | 33 | 35 | 14 | 14 | | | | | | |
| 14 | 6 | 12 | 32 | 32 | 35 | 13 | 13 | | | | | | |
| 13 | 5 | 11 | 31 | 31 | 35 | 12 | 12 | | | | | | |
| 12 | 4 | 10 | 30 | 30 | 35 | 11 | 11 | | | | | | |
| 11 | 3 | 9 | 29 | 29 | 35 | 10 | 10 | | | | | | |
| 10 | 2 | 8 | 28 | 28 | 35 | 9 | 9 | | | | | | |
| 9 | 1 | 7 | 27 | 27 | 35 | 8 | 8 | | | | | | |
| 8 | 0 | 6 | 26 | 26 | 35 | 7 | 7 | | | | | | |
| 7 | 0 | 5 | 25 | 25 | 35 | 6 | 6 | | | | | | |
| 6 | 0 | 4 | 24 | 24 | 35 | 5 | 5 | | | | | | |
| 5 | 0 | 3 | 23 | 23 | 35 | 4 | 4 | | | | | | |
| 4 | 0 | 2 | 22 | 22 | 35 | 3 | 3 | | | | | | |
| 3 | 0 | 1 | 21 | 21 | 35 | 2 | 2 | | | | | | |
| 2 | 0 | 0 | 20 | 20 | 35 | 1 | 1 | | | | | | |
| 1 | 0 | 0 | 19 | 19 | 35 | 0 | 0 | | | | | | |
| 0 | 0 | 0 | 18 | 18 | 35 | 0 | 0 | | | | | | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 49 | 47 | 54 | 58 | 72 | 72 | 35 | 51 | | | | | |
| 48 | 46 | 53 | 57 | 72 | 72 | 34 | 50 | | | | | |
| 47 | 45 | 52 | 55 | 71 | 71 | 34 | 49 | | | | | |
| 46 | 45 | 52 | 54 | 70 | 70 | 33 | 49 | | | | | |
| 45 | 44 | 51 | 53 | 69 | 69 | 32 | 48 | | | | | |
| 44 | 43 | 50 | 52 | 68 | 68 | 32 | 47 | | | | | |
| 43 | 43 | 50 | 50 | 67 | 67 | 31 | 46 | | | | | |
| 42 | 42 | 48 | 47 | 55 | 55 | 31 | 45 | | | | | |
| 41 | 41 | 47 | 48 | 54 | 54 | 30 | 44 | | | | | |
| 40 | 40 | 46 | 46 | 63 | 63 | 30 | 43 | | | | | |
| 39 | 39 | 45 | 45 | 62 | 62 | 29 | 42 | | | | | |
| 38 | 39 | 44 | 44 | 60 | 60 | 28 | 41 | | | | | |
| 37 | 38 | 43 | 42 | 59 | 59 | 28 | 40 | | | | | |
| 36 | 37 | 41 | 41 | 58 | 58 | 27 | 39 | | | | | |
| 35 | 34 | 40 | 40 | 56 | 56 | 26 | 38 | | | | | |
| 34 | 35 | 39 | 39 | 54 | 54 | 26 | 37 | | | | | |
| 33 | 34 | 38 | 37 | 53 | 53 | 25 | 36 | | | | | |
| 32 | 33 | 37 | 36 | 51 | 51 | 24 | 35 | | | | | |
| 31 | 33 | 36 | 35 | 50 | 50 | 24 | 34 | | | | | |
| 30 | 32 | 34 | 34 | 48 | 48 | 23 | 33 | | | | | |
| 29 | 31 | 33 | 33 | 46 | 46 | 22 | 32 | | | | | |
| 28 | 29 | 31 | 32 | 44 | 44 | 21 | 31 | | | | | |
| 27 | 28 | 30 | 30 | 41 | 41 | 20 | 29 | | | | | |
| 26 | 27 | 29 | 29 | 39 | 39 | 19 | 28 | | | | | |
| 25 | 26 | 27 | 28 | 37 | 37 | 19 | 27 | | | | | |
| 24 | 24 | 26 | 27 | 34 | 34 | 18 | 26 | | | | | |
| 23 | 23 | 25 | 27 | 32 | 32 | 17 | 25 | | | | | |
| 22 | 22 | 23 | 26 | 29 | 29 | 16 | 24 | | | | | |
| 21 | 21 | 22 | 25 | 27 | 27 | 15 | 23 | | | | | |
| 20 | 19 | 21 | 23 | 25 | 25 | 14 | 21 | | | | | |
| 19 | 19 | 20 | 22 | 23 | 23 | 13 | 20 | | | | | |
| 18 | 17 | 19 | 21 | 22 | 22 | 12 | 19 | | | | | |
| 17 | 16 | 18 | 20 | 21 | 21 | 12 | 18 | | | | | |
| 16 | 15 | 17 | 19 | 19 | 19 | 11 | 17 | | | | | |
| 15 | 14 | 16 | 18 | 18 | 18 | 10 | 15 | | | | | |
| 14 | 13 | 15 | 17 | 17 | 17 | 10 | 14 | | | | | |
| 13 | 13 | 14 | 16 | 16 | 16 | 9 | 12 | | | | | |
| 12 | 12 | 13 | 14 | 15 | 15 | 8 | 11 | | | | | |
| 11 | 11 | 12 | 13 | 13 | 13 | 8 | 10 | | | | | |
| 10 | 10 | 10 | 12 | 12 | 12 | 7 | 9 | | | | | |
| 9 | 9 | 9 | 10 | 11 | 11 | 7 | 7 | | | | | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FOR 4 E | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (69 ED.) LEVEL 2 FORM C | | ITRS (71 ED.) LEVEL 10 FORM D | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|---------------------------------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 8 | 9 | 8 | 9 | 9 | 10 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 8 | 6 | 7 | 7 | 9 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 7 | 5 | 6 | 6 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 6 | 4 | 5 | 5 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 5 | 2 | 3 | 3 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 4 | 1 | 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM B | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|---|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 98 | 82 | 85 | 102 | 95 | 60 | 90 | 90 | 90 | 60 | 90 | 90 | |
| 97 | 82 | 85 | 102 | 95 | 60 | 90 | 90 | 90 | 60 | 90 | 90 | |
| 96 | 81 | 84 | 101 | 95 | 59 | 85 | 85 | 85 | 59 | 85 | 85 | |
| 95 | 81 | 84 | 100 | 95 | 59 | 83 | 83 | 83 | 59 | 83 | 83 | |
| 94 | 80 | 83 | 100 | 94 | 58 | 88 | 88 | 88 | 58 | 88 | 88 | |
| 93 | 79 | 82 | 99 | 94 | 58 | 87 | 87 | 87 | 58 | 87 | 87 | |
| 92 | 79 | 82 | 99 | 94 | 58 | 87 | 87 | 87 | 58 | 87 | 87 | |
| 91 | 78 | 81 | 93 | 93 | 57 | 86 | 86 | 86 | 57 | 86 | 86 | |
| 90 | 78 | 81 | 93 | 93 | 57 | 85 | 85 | 85 | 57 | 85 | 85 | |
| 89 | 77 | 80 | 97 | 93 | 56 | 84 | 84 | 84 | 56 | 84 | 84 | |
| 88 | 76 | 80 | 96 | 92 | 56 | 84 | 84 | 84 | 56 | 84 | 84 | |
| 87 | 76 | 79 | 95 | 92 | 55 | 84 | 84 | 84 | 55 | 84 | 84 | |
| 86 | 75 | 78 | 94 | 92 | 54 | 83 | 83 | 83 | 54 | 83 | 83 | |
| 85 | 74 | 78 | 93 | 91 | 54 | 82 | 82 | 82 | 54 | 82 | 82 | |
| 84 | 73 | 77 | 92 | 91 | 53 | 81 | 81 | 81 | 53 | 81 | 81 | |
| 83 | 72 | 76 | 91 | 90 | 53 | 81 | 81 | 81 | 53 | 81 | 81 | |
| 82 | 71 | 76 | 90 | 90 | 52 | 80 | 80 | 80 | 52 | 80 | 80 | |
| 81 | 71 | 75 | 89 | 89 | 52 | 79 | 79 | 79 | 52 | 79 | 79 | |
| 80 | 70 | 75 | 88 | 89 | 51 | 78 | 78 | 78 | 51 | 78 | 78 | |
| 79 | 69 | 74 | 88 | 89 | 51 | 77 | 77 | 77 | 51 | 77 | 77 | |
| 78 | 68 | 73 | 87 | 88 | 50 | 76 | 76 | 76 | 50 | 76 | 76 | |
| 77 | 67 | 73 | 86 | 88 | 50 | 75 | 75 | 75 | 50 | 75 | 75 | |
| 76 | 66 | 72 | 85 | 87 | 49 | 74 | 74 | 74 | 49 | 74 | 74 | |
| 75 | 66 | 72 | 84 | 87 | 49 | 73 | 73 | 73 | 49 | 73 | 73 | |
| 74 | 65 | 71 | 83 | 87 | 48 | 72 | 72 | 72 | 48 | 72 | 72 | |
| 73 | 64 | 70 | 82 | 86 | 48 | 71 | 71 | 71 | 48 | 71 | 71 | |
| 72 | 63 | 70 | 81 | 86 | 47 | 70 | 70 | 70 | 47 | 70 | 70 | |
| 71 | 63 | 69 | 80 | 85 | 47 | 69 | 69 | 69 | 47 | 69 | 69 | |
| 70 | 62 | 68 | 79 | 85 | 46 | 68 | 68 | 68 | 46 | 68 | 68 | |
| 69 | 61 | 68 | 78 | 84 | 45 | 67 | 67 | 67 | 45 | 67 | 67 | |
| 68 | 60 | 67 | 77 | 84 | 45 | 66 | 66 | 66 | 45 | 66 | 66 | |
| 67 | 59 | 66 | 76 | 83 | 44 | 65 | 65 | 65 | 44 | 65 | 65 | |
| 66 | 58 | 66 | 75 | 83 | 43 | 64 | 64 | 64 | 43 | 64 | 64 | |
| 65 | 58 | 65 | 74 | 82 | 43 | 63 | 63 | 63 | 43 | 63 | 63 | |
| 64 | 57 | 64 | 73 | 82 | 42 | 62 | 62 | 62 | 42 | 62 | 62 | |
| 63 | 56 | 64 | 72 | 81 | 42 | 61 | 61 | 61 | 42 | 61 | 61 | |
| 62 | 55 | 63 | 71 | 81 | 41 | 60 | 60 | 60 | 41 | 60 | 60 | |
| 61 | 54 | 62 | 69 | 80 | 40 | 59 | 59 | 59 | 40 | 59 | 59 | |
| 60 | 54 | 61 | 68 | 79 | 40 | 58 | 58 | 58 | 40 | 58 | 58 | |
| 59 | 53 | 60 | 67 | 79 | 39 | 57 | 57 | 57 | 39 | 57 | 57 | |
| 58 | 52 | 60 | 66 | 78 | 39 | 56 | 56 | 56 | 39 | 56 | 56 | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 2, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W | CAT (70 ED.) LEVEL 3 FORM A | | ITRS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|--|-----------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 15 | 16 | 19 | 19 | 11 | 11 | 16 | 11 | 16 | 16 | |
| 14 | 16 | 18 | 18 | 10 | 10 | 16 | 10 | 15 | 15 | |
| 13 | 15 | 17 | 17 | 9 | 9 | 16 | 9 | 14 | 14 | |
| 13 | 14 | 16 | 16 | 9 | 9 | 16 | 9 | 14 | 14 | |
| 12 | 14 | 16 | 16 | 9 | 9 | 16 | 9 | 13 | 13 | |
| 11 | 13 | 15 | 15 | 8 | 8 | 15 | 8 | 12 | 12 | |
| 10 | 12 | 14 | 14 | 8 | 8 | 14 | 8 | 12 | 12 | |
| 9 | 11 | 12 | 12 | 7 | 7 | 13 | 7 | 11 | 11 | |
| 8 | 10 | 11 | 11 | 7 | 7 | 12 | 7 | 10 | 10 | |
| 7 | 8 | 10 | 10 | 6 | 6 | 11 | 6 | 9 | 9 | |
| 6 | 7 | 8 | 8 | 6 | 6 | 10 | 6 | 8 | 8 | |
| 5 | 6 | 7 | 7 | 5 | 5 | 9 | 5 | 7 | 7 | |
| 4 | 5 | 6 | 6 | 5 | 5 | 8 | 5 | 6 | 6 | |
| 3 | 4 | 5 | 5 | 4 | 4 | 7 | 4 | 5 | 5 | |
| 2 | 3 | 4 | 4 | 3 | 3 | 6 | 4 | 4 | 4 | |
| 1 | 2 | 3 | 3 | 3 | 3 | 6 | 3 | 4 | 4 | |
| 1 | 1 | 1 | 1 | 1 | 1 | 5 | 3 | 3 | 3 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 2 | 2 | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITRS (71 ED.) LEVEL 1C FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM B |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 87 | 90 | 105 | 114 | 61 | 90 | 93 |
| 88 | 89 | 104 | 112 | 60 | 89 | 91 |
| 89 | 88 | 103 | 111 | 59 | 87 | 90 |
| 89 | 87 | 101 | 110 | 59 | 86 | 89 |
| 88 | 86 | 100 | 108 | 58 | 85 | 88 |
| 87 | 85 | 98 | 107 | 57 | 84 | 87 |
| 85 | 83 | 97 | 105 | 56 | 83 | 85 |
| 84 | 82 | 96 | 104 | 56 | 81 | 84 |
| 84 | 81 | 94 | 103 | 55 | 80 | 83 |
| 83 | 80 | 93 | 101 | 54 | 79 | 82 |
| 82 | 79 | 92 | 100 | 53 | 78 | 81 |
| 81 | 78 | 90 | 99 | 53 | 77 | 79 |
| 80 | 77 | 89 | 97 | 52 | 75 | 78 |
| 79 | 76 | 87 | 96 | 51 | 74 | 77 |
| 78 | 74 | 86 | 95 | 50 | 73 | 76 |
| 77 | 73 | 85 | 93 | 50 | 72 | 75 |
| 76 | 72 | 83 | 92 | 49 | 71 | 73 |
| 75 | 71 | 82 | 91 | 48 | 69 | 72 |
| 74 | 70 | 81 | 89 | 47 | 68 | 71 |
| 73 | 69 | 79 | 88 | 47 | 67 | 70 |
| 72 | 68 | 78 | 87 | 46 | 66 | 69 |
| 71 | 66 | 76 | 85 | 45 | 65 | 67 |
| 70 | 65 | 75 | 84 | 44 | 63 | 66 |
| 69 | 64 | 74 | 82 | 44 | 62 | 65 |
| 68 | 63 | 73 | 81 | 43 | 61 | 64 |
| 67 | 62 | 71 | 80 | 42 | 60 | 63 |
| 66 | 61 | 70 | 78 | 41 | 58 | 61 |
| 65 | 60 | 68 | 77 | 41 | 57 | 60 |
| 64 | 59 | 67 | 76 | 40 | 56 | 59 |
| 63 | 57 | 65 | 74 | 39 | 55 | 58 |
| 62 | 56 | 64 | 73 | 38 | 54 | 57 |
| 61 | 55 | 63 | 72 | 38 | 52 | 55 |
| 60 | 54 | 61 | 70 | 37 | 51 | 54 |
| 59 | 53 | 60 | 69 | 36 | 50 | 53 |
| 58 | 52 | 59 | 68 | 35 | 49 | 52 |
| 57 | 51 | 57 | 66 | 35 | 48 | 51 |
| 56 | 49 | 56 | 65 | 34 | 46 | 49 |
| 55 | 48 | 54 | 63 | 33 | 45 | 48 |
| 54 | 47 | 53 | 62 | 32 | 44 | 47 |
| 53 | 46 | 52 | 61 | 32 | 43 | 46 |
| 52 | 45 | 50 | 59 | 31 | 42 | 45 |

TABLE 141. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | | | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 41 | 44 | 49 | 58 | 30 | 40 | 43 | | | | |
| 40 | 43 | 48 | 57 | 30 | 39 | 42 | | | | |
| 39 | 42 | 46 | 55 | 29 | 38 | 41 | | | | |
| 38 | 40 | 45 | 54 | 28 | 37 | 40 | | | | |
| 37 | 39 | 43 | 53 | 27 | 36 | 39 | | | | |
| 36 | 38 | 42 | 51 | 27 | 34 | 37 | | | | |
| 35 | 37 | 41 | 50 | 26 | 33 | 36 | | | | |
| 34 | 36 | 39 | 49 | 25 | 32 | 35 | | | | |
| 33 | 35 | 38 | 47 | 24 | 31 | 34 | | | | |
| 32 | 34 | 37 | 46 | 24 | 29 | 33 | | | | |
| 31 | 33 | 35 | 44 | 23 | 28 | 31 | | | | |
| 30 | 31 | 34 | 43 | 22 | 27 | 30 | | | | |
| 29 | 30 | 32 | 42 | 21 | 26 | 29 | | | | |
| 28 | 29 | 31 | 40 | 21 | 25 | 28 | | | | |
| 27 | 28 | 30 | 39 | 20 | 23 | 27 | | | | |
| 26 | 27 | 28 | 38 | 19 | 22 | 25 | | | | |
| 25 | 26 | 27 | 36 | 18 | 21 | 24 | | | | |
| 24 | 25 | 26 | 35 | 18 | 20 | 23 | | | | |
| 23 | 23 | 24 | 34 | 17 | 19 | 22 | | | | |
| 22 | 22 | 23 | 32 | 16 | 17 | 21 | | | | |
| 21 | 21 | 21 | 31 | 15 | 16 | 19 | | | | |
| 20 | 20 | 20 | 30 | 15 | 15 | 18 | | | | |
| 19 | 19 | 19 | 28 | 14 | 14 | 17 | | | | |
| 18 | 18 | 17 | 27 | 13 | 13 | 16 | | | | |
| 17 | 17 | 16 | 25 | 12 | 11 | 15 | | | | |
| 16 | 16 | 15 | 24 | 12 | 10 | 13 | | | | |
| 15 | 14 | 13 | 21 | 11 | 9 | 12 | | | | |
| 14 | 13 | 12 | 21 | 10 | 8 | 11 | | | | |
| 13 | 12 | 10 | 20 | 9 | 7 | 10 | | | | |
| 12 | 11 | 9 | 19 | 9 | 5 | 9 | | | | |
| 11 | 10 | 8 | 17 | 8 | 4 | 7 | | | | |
| 10 | 9 | 6 | 16 | 7 | 3 | 6 | | | | |
| 9 | 8 | 5 | 15 | 6 | 2 | 5 | | | | |
| 8 | 6 | 4 | 13 | 6 | 0 | 4 | | | | |
| 7 | 5 | 2 | 12 | 5 | - 1 | 3 | | | | |
| 6 | 4 | 1 | 11 | 4 | - 2 | 1 | | | | |
| 5 | 3 | - 1 | 9 | 3 | - 3 | 0 | | | | |
| 4 | 2 | - 2 | 8 | 3 | - 4 | - 1 | | | | |
| 3 | 1 | - 3 | 6 | 2 | - 6 | - 2 | | | | |
| 2 | 0 | - 5 | 5 | 1 | - 7 | - 3 | | | | |
| 1 | - 1 | - 6 | 4 | 0 | - 8 | - 5 | | | | |

TABLE 141. ANCHOR TEST EQUATING STUDY: GRADE 4

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A | CT9S (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 0 | - 3 | - 7 | 2 | 0 | - 9 | - 6 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| CTBS (68 ED.) LEVEL 2 FORM C | CAT (70 ED.) LEVEL 3 FORM A | IIBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 85 | 77 | 99 | 107 | 57 | 84 | 87 |
| 84 | 77 | 98 | 106 | 57 | 83 | 86 |
| 83 | 75 | 97 | 105 | 56 | 82 | 85 |
| 82 | 75 | 95 | 104 | 55 | 81 | 84 |
| 81 | 74 | 94 | 103 | 55 | 80 | 83 |
| 80 | 73 | 93 | 101 | 54 | 79 | 82 |
| 79 | 72 | 92 | 100 | 53 | 78 | 81 |
| 78 | 71 | 90 | 99 | 53 | 77 | 80 |
| 77 | 70 | 89 | 98 | 52 | 76 | 79 |
| 76 | 70 | 83 | 97 | 51 | 75 | 77 |
| 75 | 69 | 87 | 95 | 51 | 74 | 76 |
| 74 | 74 | 86 | 94 | 50 | 73 | 75 |
| 73 | 67 | 84 | 93 | 49 | 72 | 74 |
| 72 | 65 | 83 | 92 | 49 | 70 | 73 |
| 71 | 65 | 82 | 91 | 48 | 69 | 72 |
| 70 | 64 | 81 | 89 | 47 | 68 | 71 |
| 69 | 63 | 80 | 88 | 47 | 67 | 70 |
| 68 | 62 | 78 | 87 | 46 | 66 | 69 |
| 67 | 62 | 77 | 86 | 46 | 65 | 68 |
| 66 | 61 | 76 | 85 | 45 | 64 | 67 |
| 65 | 60 | 75 | 83 | 44 | 63 | 66 |
| 64 | 59 | 73 | 82 | 44 | 62 | 65 |
| 63 | 58 | 72 | 81 | 43 | 61 | 64 |
| 62 | 57 | 71 | 80 | 42 | 60 | 63 |
| 61 | 56 | 70 | 79 | 42 | 59 | 62 |
| 60 | 55 | 69 | 77 | 41 | 58 | 61 |
| 59 | 54 | 67 | 76 | 40 | 57 | 59 |
| 58 | 54 | 66 | 75 | 40 | 56 | 58 |
| 57 | 53 | 65 | 74 | 39 | 54 | 57 |
| 56 | 52 | 64 | 73 | 38 | 53 | 56 |
| 55 | 51 | 63 | 71 | 38 | 52 | 55 |
| 54 | 50 | 61 | 70 | 37 | 51 | 54 |
| 53 | 49 | 60 | 69 | 36 | 50 | 53 |
| 52 | 48 | 59 | 68 | 36 | 49 | 52 |
| 51 | 47 | 58 | 67 | 35 | 48 | 51 |
| 50 | 47 | 56 | 65 | 34 | 47 | 50 |
| 49 | 46 | 55 | 64 | 34 | 46 | 49 |
| 48 | 45 | 54 | 63 | 33 | 45 | 48 |
| 47 | 44 | 53 | 62 | 32 | 44 | 47 |
| 46 | 43 | 52 | 61 | 32 | 43 | 46 |
| 45 | 42 | 50 | 59 | 31 | 42 | 45 |

TABLE 142. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | TTBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM B | |
|-----------|-----------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 44 | 41 | 49 | 58 | 30 | 41 | 41 | 30 | 41 | 41 | 44 | | |
| 43 | 40 | 48 | 57 | 30 | 40 | 40 | 30 | 40 | 40 | 43 | | |
| 42 | 39 | 47 | 56 | 29 | 38 | 38 | 29 | 38 | 38 | 41 | | |
| 41 | 39 | 46 | 55 | 28 | 37 | 37 | 28 | 37 | 37 | 40 | | |
| 40 | 38 | 44 | 53 | 28 | 36 | 36 | 28 | 36 | 36 | 39 | | |
| 39 | 37 | 43 | 52 | 27 | 35 | 35 | 27 | 35 | 35 | 38 | | |
| 38 | 36 | 42 | 51 | 26 | 34 | 34 | 26 | 34 | 34 | 37 | | |
| 37 | 35 | 41 | 50 | 26 | 33 | 33 | 26 | 33 | 33 | 36 | | |
| 36 | 34 | 39 | 49 | 25 | 32 | 32 | 25 | 32 | 32 | 35 | | |
| 35 | 33 | 38 | 47 | 24 | 31 | 31 | 24 | 31 | 31 | 34 | | |
| 34 | 32 | 37 | 46 | 24 | 30 | 30 | 24 | 30 | 30 | 33 | | |
| 33 | 32 | 36 | 45 | 23 | 29 | 29 | 23 | 29 | 29 | 32 | | |
| 32 | 31 | 35 | 44 | 23 | 28 | 28 | 23 | 28 | 28 | 31 | | |
| 31 | 30 | 33 | 43 | 22 | 27 | 27 | 22 | 27 | 27 | 30 | | |
| 30 | 29 | 32 | 41 | 21 | 26 | 26 | 21 | 26 | 26 | 29 | | |
| 29 | 28 | 31 | 40 | 21 | 25 | 25 | 21 | 25 | 25 | 28 | | |
| 28 | 27 | 30 | 39 | 20 | 24 | 24 | 20 | 24 | 24 | 27 | | |
| 27 | 26 | 28 | 38 | 19 | 22 | 22 | 19 | 22 | 22 | 26 | | |
| 26 | 25 | 27 | 37 | 19 | 21 | 21 | 19 | 21 | 21 | 25 | | |
| 25 | 24 | 26 | 35 | 18 | 20 | 20 | 18 | 20 | 20 | 23 | | |
| 24 | 24 | 25 | 34 | 17 | 19 | 19 | 17 | 19 | 19 | 22 | | |
| 23 | 23 | 24 | 33 | 17 | 18 | 18 | 17 | 18 | 18 | 21 | | |
| 22 | 22 | 22 | 32 | 16 | 17 | 17 | 16 | 17 | 17 | 20 | | |
| 21 | 21 | 21 | 31 | 15 | 16 | 16 | 15 | 16 | 16 | 19 | | |
| 20 | 20 | 20 | 29 | 15 | 15 | 15 | 15 | 15 | 15 | 19 | | |
| 19 | 19 | 19 | 28 | 14 | 14 | 14 | 14 | 14 | 14 | 17 | | |
| 18 | 18 | 18 | 27 | 13 | 13 | 13 | 13 | 13 | 13 | 16 | | |
| 17 | 17 | 16 | 26 | 13 | 12 | 12 | 13 | 12 | 12 | 15 | | |
| 16 | 17 | 15 | 25 | 12 | 11 | 11 | 12 | 11 | 11 | 14 | | |
| 15 | 16 | 14 | 23 | 11 | 10 | 10 | 11 | 10 | 10 | 13 | | |
| 14 | 15 | 13 | 22 | 11 | 9 | 9 | 11 | 9 | 9 | 12 | | |
| 13 | 14 | 11 | 21 | 10 | 7 | 7 | 10 | 7 | 7 | 11 | | |
| 12 | 13 | 10 | 20 | 9 | 6 | 6 | 9 | 6 | 6 | 10 | | |
| 11 | 12 | 9 | 19 | 9 | 5 | 5 | 9 | 5 | 5 | 9 | | |
| 10 | 11 | 8 | 17 | 8 | 4 | 4 | 8 | 4 | 4 | 8 | | |
| 9 | 10 | 7 | 16 | 7 | 3 | 3 | 7 | 3 | 3 | 7 | | |
| 8 | 9 | 5 | 15 | 7 | 2 | 2 | 7 | 2 | 2 | 5 | | |
| 7 | 8 | 4 | 14 | 6 | 1 | 1 | 6 | 1 | 1 | 4 | | |
| 6 | 7 | 3 | 13 | 5 | 0 | 0 | 5 | 0 | 0 | 3 | | |
| 5 | 6 | 2 | 11 | 5 | 0 | 0 | 5 | 0 | 0 | 2 | | |
| 4 | 5 | 1 | 10 | 4 | 0 | 0 | 4 | 0 | 0 | 1 | | |

TABLE 142. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | IYES (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|
| | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING |
| 3 | 5 | - 1 | 9 | 3 | 3 | - 3 | 0 | | | | | |
| 2 | 4 | - 2 | 8 | 3 | 2 | - 4 | 1 | | | | | |
| 1 | 3 | - 3 | 7 | 2 | 1 | - 5 | 2 | | | | | |
| 0 | 2 | - 4 | 6 | 1 | 0 | - 6 | 3 | | | | | |

CBS (69 ED.) LEVEL 2 FORM C
 CAT (70 ED.) LEVEL 3 FORM A
 IYES (71 ED.) LEVEL 10 FORM 5
 MAT (70 ED.) ELEMENTARY FORM F
 STEP-II (69 ED.) LEVEL 4 FORM A
 SRA (71 ED.) BLUE FORM E
 SAT (64 ED.) INTERMEDIATE I FORM F

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3. LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | MAY (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM H | |
|-------------------------------------|-----------------------------------|------------------------------------|--------------------------------------|-----------------------------|------------------|--------------------------------|------------------|--|------------------|
| | | | | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 105 | 93 | 91 | 114 | 61 | 91 | 61 | 91 | 93 | 93 |
| 106 | 92 | 90 | 113 | 61 | 90 | 61 | 90 | 92 | 92 |
| 104 | 81 | 89 | 112 | 60 | 89 | 60 | 89 | 91 | 91 |
| 103 | 90 | 84 | 111 | 60 | 84 | 60 | 84 | 91 | 91 |
| 102 | 80 | 88 | 110 | 59 | 87 | 59 | 87 | 90 | 90 |
| 101 | 79 | 87 | 109 | 58 | 86 | 58 | 86 | 89 | 89 |
| 100 | 78 | 86 | 103 | 58 | 85 | 58 | 85 | 88 | 88 |
| 99 | 78 | 85 | 108 | 57 | 84 | 57 | 84 | 87 | 87 |
| 98 | 77 | 84 | 107 | 57 | 84 | 57 | 84 | 86 | 86 |
| 97 | 76 | 83 | 106 | 56 | 83 | 56 | 83 | 85 | 85 |
| 96 | 75 | 82 | 105 | 56 | 82 | 56 | 82 | 84 | 84 |
| 95 | 75 | 82 | 104 | 55 | 81 | 55 | 81 | 84 | 84 |
| 94 | 74 | 81 | 103 | 55 | 80 | 55 | 80 | 83 | 83 |
| 93 | 73 | 80 | 102 | 54 | 79 | 54 | 79 | 82 | 82 |
| 92 | 72 | 79 | 101 | 54 | 78 | 54 | 78 | 81 | 81 |
| 91 | 72 | 79 | 100 | 53 | 77 | 53 | 77 | 80 | 80 |
| 90 | 71 | 78 | 99 | 53 | 77 | 53 | 77 | 79 | 79 |
| 89 | 70 | 77 | 98 | 52 | 76 | 52 | 76 | 78 | 78 |
| 88 | 70 | 76 | 97 | 51 | 75 | 51 | 75 | 77 | 77 |
| 87 | 69 | 75 | 96 | 51 | 74 | 51 | 74 | 77 | 77 |
| 86 | 68 | 74 | 95 | 50 | 73 | 50 | 73 | 76 | 76 |
| 85 | 67 | 74 | 94 | 50 | 72 | 50 | 72 | 75 | 75 |
| 84 | 67 | 73 | 93 | 49 | 71 | 49 | 71 | 74 | 74 |
| 83 | 66 | 72 | 92 | 49 | 70 | 49 | 70 | 73 | 73 |
| 82 | 65 | 71 | 91 | 48 | 69 | 48 | 69 | 72 | 72 |
| 81 | 64 | 70 | 90 | 48 | 69 | 48 | 69 | 71 | 71 |
| 80 | 64 | 69 | 89 | 47 | 68 | 47 | 68 | 71 | 71 |
| 79 | 63 | 69 | 89 | 47 | 67 | 47 | 67 | 70 | 70 |
| 78 | 62 | 68 | 87 | 46 | 66 | 46 | 66 | 69 | 69 |
| 77 | 62 | 67 | 86 | 45 | 65 | 45 | 65 | 68 | 68 |
| 76 | 61 | 66 | 85 | 45 | 64 | 45 | 64 | 67 | 67 |
| 75 | 60 | 65 | 84 | 44 | 63 | 44 | 63 | 66 | 66 |
| 74 | 59 | 64 | 83 | 44 | 62 | 44 | 62 | 65 | 65 |
| 73 | 59 | 64 | 82 | 43 | 62 | 43 | 62 | 64 | 64 |
| 72 | 58 | 63 | 81 | 43 | 61 | 43 | 61 | 64 | 64 |
| 71 | 57 | 62 | 80 | 42 | 60 | 42 | 60 | 63 | 63 |
| 70 | 56 | 61 | 79 | 42 | 59 | 42 | 59 | 62 | 62 |
| 69 | 56 | 60 | 79 | 41 | 58 | 41 | 58 | 61 | 61 |
| 68 | 55 | 60 | 77 | 41 | 57 | 41 | 57 | 60 | 60 |
| 67 | 54 | 59 | 76 | 40 | 56 | 40 | 56 | 59 | 59 |
| 66 | 54 | 58 | 75 | 40 | 55 | 40 | 55 | 58 | 58 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| ITRS (71 ED.) LEVEL 10 FORM 5 | | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM C | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-------------------------------------|------------------|-----------------------------------|------------------|------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| RAW SCORE | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 65 | 53 | 57 | 74 | 39 | 55 | 55 | 57 | | | | | | |
| 64 | 52 | 56 | 73 | 38 | 54 | 54 | 57 | | | | | | |
| 63 | 51 | 55 | 72 | 38 | 53 | 53 | 56 | | | | | | |
| 62 | 51 | 55 | 71 | 37 | 52 | 52 | 55 | | | | | | |
| 61 | 50 | 54 | 70 | 37 | 51 | 51 | 54 | | | | | | |
| 60 | 49 | 53 | 69 | 36 | 50 | 50 | 53 | | | | | | |
| 59 | 48 | 52 | 68 | 36 | 49 | 49 | 52 | | | | | | |
| 58 | 48 | 51 | 67 | 35 | 48 | 48 | 51 | | | | | | |
| 57 | 47 | 51 | 66 | 35 | 48 | 48 | 50 | | | | | | |
| 56 | 46 | 50 | 65 | 34 | 47 | 47 | 50 | | | | | | |
| 55 | 45 | 49 | 64 | 34 | 46 | 46 | 49 | | | | | | |
| 54 | 45 | 48 | 63 | 33 | 45 | 45 | 48 | | | | | | |
| 53 | 44 | 47 | 62 | 33 | 44 | 44 | 47 | | | | | | |
| 52 | 43 | 46 | 61 | 32 | 43 | 43 | 46 | | | | | | |
| 51 | 43 | 46 | 60 | 31 | 42 | 42 | 45 | | | | | | |
| 50 | 42 | 45 | 59 | 31 | 41 | 41 | 44 | | | | | | |
| 49 | 41 | 44 | 58 | 30 | 40 | 40 | 43 | | | | | | |
| 48 | 40 | 43 | 57 | 30 | 40 | 40 | 43 | | | | | | |
| 47 | 40 | 42 | 56 | 29 | 39 | 39 | 42 | | | | | | |
| 46 | 39 | 41 | 55 | 29 | 38 | 38 | 41 | | | | | | |
| 45 | 38 | 41 | 54 | 28 | 37 | 37 | 40 | | | | | | |
| 44 | 38 | 40 | 53 | 28 | 36 | 36 | 39 | | | | | | |
| 43 | 37 | 39 | 52 | 27 | 35 | 35 | 38 | | | | | | |
| 42 | 36 | 38 | 51 | 27 | 34 | 34 | 37 | | | | | | |
| 41 | 35 | 37 | 50 | 26 | 33 | 33 | 37 | | | | | | |
| 40 | 35 | 37 | 49 | 25 | 32 | 32 | 36 | | | | | | |
| 39 | 34 | 36 | 48 | 25 | 32 | 32 | 35 | | | | | | |
| 38 | 33 | 35 | 47 | 24 | 31 | 31 | 34 | | | | | | |
| 37 | 32 | 34 | 46 | 24 | 30 | 30 | 33 | | | | | | |
| 36 | 32 | 33 | 45 | 23 | 29 | 29 | 32 | | | | | | |
| 35 | 31 | 32 | 44 | 23 | 28 | 28 | 31 | | | | | | |
| 34 | 30 | 32 | 43 | 22 | 27 | 27 | 30 | | | | | | |
| 33 | 30 | 31 | 42 | 22 | 26 | 26 | 30 | | | | | | |
| 32 | 29 | 30 | 41 | 21 | 25 | 25 | 29 | | | | | | |
| 31 | 28 | 29 | 40 | 21 | 25 | 25 | 28 | | | | | | |
| 30 | 27 | 28 | 39 | 20 | 24 | 24 | 27 | | | | | | |
| 29 | 27 | 28 | 38 | 20 | 23 | 23 | 26 | | | | | | |
| 28 | 26 | 27 | 37 | 19 | 22 | 22 | 25 | | | | | | |
| 27 | 25 | 26 | 36 | 18 | 21 | 21 | 24 | | | | | | |
| 26 | 24 | 25 | 35 | 18 | 20 | 20 | 23 | | | | | | |
| 25 | 24 | 24 | 34 | 17 | 19 | 19 | 23 | | | | | | |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|-------------------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 24 | 23 | 23 | 33 | 17 | 19 | 22 |
| 23 | 23 | 23 | 33 | 16 | 18 | 21 |
| 22 | 22 | 22 | 32 | 16 | 17 | 20 |
| 21 | 21 | 21 | 31 | 15 | 16 | 19 |
| 20 | 20 | 20 | 30 | 15 | 15 | 18 |
| 19 | 19 | 19 | 29 | 14 | 14 | 17 |
| 18 | 19 | 18 | 28 | 14 | 13 | 16 |
| 17 | 18 | 17 | 27 | 13 | 12 | 16 |
| 16 | 17 | 17 | 26 | 12 | 12 | 15 |
| 15 | 16 | 16 | 25 | 12 | 11 | 14 |
| 14 | 15 | 15 | 24 | 11 | 10 | 13 |
| 13 | 15 | 14 | 23 | 11 | 9 | 12 |
| 12 | 14 | 14 | 22 | 10 | 8 | 11 |
| 11 | 14 | 13 | 21 | 10 | 7 | 10 |
| 10 | 13 | 12 | 20 | 9 | 6 | 9 |
| 9 | 12 | 11 | 19 | 9 | 5 | 9 |
| 8 | 11 | 10 | 18 | 8 | 4 | 8 |
| 7 | 11 | 9 | 17 | 8 | 4 | 7 |
| 6 | 10 | 9 | 16 | 7 | 3 | 6 |
| 5 | 9 | 8 | 15 | 7 | 2 | 5 |
| 4 | 9 | 7 | 14 | 6 | 1 | 4 |
| 3 | 8 | 6 | 13 | 5 | 0 | 3 |
| 2 | 7 | 5 | 12 | 5 | - 1 | 3 |
| 1 | 6 | 4 | 11 | 4 | - 2 | 2 |
| 0 | 6 | 4 | 10 | 4 | - 3 | 1 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CTRS (68 ED.) | | TBS (71 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|---------------|-------------------|---------------|--------------------|---------------|-------------------|---------------|----------------|---------------|------------------------|---------------|
| | LEVEL 3 FORM A | TOTAL READING | LEVEL 2 FORM C | TOTAL READING | LEVEL 10 FORM 5 | TOTAL READING | LEVEL 4 FORM A | TOTAL READING | BLUE FORM E | TOTAL READING | INTERMEDIATE FORM M | TOTAL READING |
| 95 | 68 | 75 | | | | | 51 | | 73 | | 76 | |
| 94 | 68 | 74 | | | | | 50 | | 72 | | 75 | |
| 93 | 67 | 73 | | | | | 49 | | 72 | | 74 | |
| 92 | 66 | 72 | | | | | 49 | | 71 | | 73 | |
| 91 | 65 | 71 | | | | | 48 | | 70 | | 73 | |
| 90 | 65 | 71 | | | | | 48 | | 69 | | 72 | |
| 89 | 64 | 70 | | | | | 47 | | 68 | | 71 | |
| 88 | 63 | 69 | | | | | 47 | | 67 | | 70 | |
| 87 | 62 | 68 | | | | | 46 | | 66 | | 69 | |
| 86 | 62 | 67 | | | | | 46 | | 65 | | 69 | |
| 85 | 61 | 66 | | | | | 45 | | 64 | | 67 | |
| 84 | 60 | 66 | | | | | 45 | | 64 | | 66 | |
| 83 | 60 | 65 | | | | | 44 | | 63 | | 66 | |
| 82 | 59 | 64 | | | | | 44 | | 62 | | 65 | |
| 81 | 58 | 63 | | | | | 43 | | 61 | | 65 | |
| 80 | 57 | 62 | | | | | 42 | | 60 | | 64 | |
| 79 | 57 | 61 | | | | | 42 | | 59 | | 63 | |
| 78 | 56 | 61 | | | | | 41 | | 58 | | 62 | |
| 77 | 55 | 60 | | | | | 41 | | 57 | | 61 | |
| 76 | 54 | 59 | | | | | 40 | | 56 | | 60 | |
| 75 | 54 | 58 | | | | | 40 | | 56 | | 59 | |
| 74 | 53 | 57 | | | | | 39 | | 56 | | 58 | |
| 73 | 52 | 56 | | | | | 39 | | 55 | | 58 | |
| 72 | 51 | 56 | | | | | 38 | | 54 | | 57 | |
| 71 | 51 | 55 | | | | | 37 | | 53 | | 56 | |
| 70 | 50 | 54 | | | | | 37 | | 52 | | 55 | |
| 69 | 49 | 53 | | | | | 36 | | 51 | | 54 | |
| 68 | 48 | 52 | | | | | 36 | | 50 | | 53 | |
| 67 | 48 | 51 | | | | | 35 | | 49 | | 52 | |
| 66 | 47 | 51 | | | | | 35 | | 48 | | 51 | |
| 65 | 46 | 50 | | | | | 34 | | 48 | | 50 | |
| 64 | 46 | 49 | | | | | 34 | | 47 | | 50 | |
| 63 | 45 | 49 | | | | | 34 | | 46 | | 49 | |
| 62 | 44 | 47 | | | | | 33 | | 45 | | 48 | |
| 61 | 43 | 46 | | | | | 32 | | 44 | | 48 | |
| 60 | 43 | 46 | | | | | 32 | | 43 | | 47 | |
| 59 | 42 | 45 | | | | | 31 | | 42 | | 46 | |
| 58 | 41 | 44 | | | | | 31 | | 41 | | 45 | |
| 57 | 40 | 43 | | | | | 30 | | 40 | | 44 | |
| 56 | 40 | 42 | | | | | 30 | | 40 | | 43 | |
| 55 | 39 | 41 | | | | | 29 | | 39 | | 42 | |
| | | | | | | | 29 | | 38 | | 41 | |

TABLE 144. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|---|-----------------------------------|---------------|------------------------------------|---------------|-------------------------------------|---------------|---------------------------------------|---------------|--------------------------------|---------------|--|---------------|
| | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING |
| 54 | 38 | 41 | 45 | 28 | 37 | 28 | 37 | 28 | 37 | 37 | 40 | |
| 55 | 37 | 40 | 44 | 28 | 36 | 28 | 36 | 28 | 36 | 36 | 39 | |
| 52 | 37 | 43 | 43 | 27 | 43 | 27 | 43 | 27 | 43 | 35 | 39 | |
| 51 | 36 | 38 | 42 | 26 | 42 | 26 | 42 | 26 | 42 | 34 | 37 | |
| 50 | 35 | 37 | 41 | 26 | 37 | 26 | 37 | 26 | 37 | 33 | 36 | |
| 49 | 34 | 36 | 40 | 25 | 40 | 25 | 40 | 25 | 40 | 32 | 35 | |
| 48 | 34 | 36 | 39 | 25 | 39 | 25 | 39 | 25 | 39 | 31 | 35 | |
| 47 | 33 | 35 | 38 | 24 | 38 | 24 | 38 | 24 | 38 | 31 | 34 | |
| 46 | 32 | 34 | 37 | 24 | 37 | 24 | 37 | 24 | 37 | 30 | 33 | |
| 45 | 32 | 33 | 36 | 23 | 36 | 23 | 36 | 23 | 36 | 29 | 32 | |
| 44 | 31 | 32 | 35 | 23 | 35 | 23 | 35 | 23 | 35 | 28 | 31 | |
| 43 | 30 | 31 | 34 | 22 | 34 | 22 | 34 | 22 | 34 | 27 | 30 | |
| 42 | 29 | 31 | 33 | 22 | 33 | 22 | 33 | 22 | 33 | 26 | 29 | |
| 41 | 29 | 30 | 32 | 21 | 32 | 21 | 32 | 21 | 32 | 25 | 28 | |
| 40 | 28 | 29 | 31 | 20 | 31 | 20 | 31 | 20 | 31 | 24 | 27 | |
| 39 | 27 | 28 | 30 | 20 | 30 | 20 | 30 | 20 | 30 | 23 | 27 | |
| 38 | 26 | 27 | 29 | 19 | 29 | 19 | 29 | 19 | 29 | 23 | 26 | |
| 37 | 26 | 26 | 28 | 19 | 28 | 19 | 28 | 19 | 28 | 22 | 25 | |
| 36 | 25 | 26 | 27 | 18 | 27 | 18 | 27 | 18 | 27 | 21 | 24 | |
| 35 | 24 | 25 | 26 | 18 | 26 | 18 | 26 | 18 | 26 | 20 | 23 | |
| 34 | 23 | 24 | 25 | 17 | 25 | 17 | 25 | 17 | 25 | 19 | 22 | |
| 33 | 23 | 23 | 24 | 17 | 24 | 17 | 24 | 17 | 24 | 18 | 21 | |
| 32 | 22 | 22 | 23 | 16 | 23 | 16 | 23 | 16 | 23 | 17 | 20 | |
| 31 | 21 | 21 | 22 | 15 | 22 | 15 | 22 | 15 | 22 | 16 | 20 | |
| 30 | 20 | 21 | 21 | 15 | 21 | 15 | 21 | 15 | 21 | 15 | 19 | |
| 29 | 20 | 20 | 20 | 14 | 20 | 14 | 20 | 14 | 20 | 14 | 18 | |
| 28 | 19 | 19 | 19 | 14 | 19 | 14 | 19 | 14 | 19 | 14 | 17 | |
| 27 | 18 | 18 | 18 | 13 | 18 | 13 | 18 | 13 | 18 | 13 | 16 | |
| 26 | 17 | 17 | 17 | 12 | 17 | 12 | 17 | 12 | 17 | 12 | 15 | |
| 25 | 17 | 16 | 16 | 12 | 16 | 12 | 16 | 12 | 16 | 11 | 14 | |
| 24 | 16 | 16 | 15 | 12 | 15 | 12 | 15 | 12 | 15 | 10 | 13 | |
| 23 | 15 | 15 | 14 | 11 | 14 | 11 | 14 | 11 | 14 | 9 | 12 | |
| 22 | 14 | 14 | 13 | 11 | 13 | 11 | 13 | 11 | 13 | 8 | 12 | |
| 21 | 14 | 13 | 12 | 10 | 12 | 11 | 12 | 10 | 12 | 7 | 11 | |
| 20 | 13 | 12 | 11 | 9 | 11 | 10 | 11 | 9 | 11 | 7 | 10 | |
| 19 | 12 | 11 | 10 | 9 | 10 | 9 | 10 | 9 | 10 | 6 | 9 | |
| 18 | 12 | 11 | 9 | 8 | 9 | 8 | 9 | 8 | 9 | 5 | 8 | |
| 17 | 11 | 11 | 8 | 8 | 8 | 8 | 8 | 7 | 8 | 4 | 7 | |
| 16 | 11 | 10 | 7 | 8 | 7 | 7 | 7 | 7 | 7 | 4 | 6 | |
| 15 | 10 | 9 | 6 | 7 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | |
| 14 | 9 | 8 | 5 | 7 | 5 | 5 | 5 | 5 | 5 | 2 | 5 | |
| 13 | 9 | 7 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 1 | 5 | |

TABLE 144. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) PLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 13 | 8 | 6 | 6 | 3 | 6 | 6 | 6 | 0 | | | | 4 |
| 12 | 7 | 6 | 2 | 2 | 5 | 5 | 5 | 1 | | | | 3 |
| 11 | 6 | 5 | 1 | 1 | 5 | 5 | 2 | 1 | | | | 2 |
| 10 | 6 | 4 | 0 | 0 | 4 | 4 | 4 | 2 | | | | 1 |
| 9 | 5 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | | | | 0 |
| 8 | 4 | 2 | 2 | 4 | 3 | 3 | 4 | 4 | | | | 1 |
| 7 | 4 | 1 | 3 | 2 | 2 | 2 | 5 | 5 | | | | 2 |
| 6 | 3 | 1 | 1 | 1 | 2 | 2 | 6 | 6 | | | | 3 |
| 5 | 2 | 0 | 5 | 5 | 1 | 1 | 7 | 7 | | | | 3 |
| 4 | 1 | 1 | 6 | 6 | 1 | 1 | 8 | 8 | | | | 4 |
| 3 | 1 | 2 | 7 | 7 | 0 | 0 | 9 | 9 | | | | 5 |
| 2 | 0 | 3 | 8 | 8 | 0 | 0 | 10 | 10 | | | | 6 |
| 1 | 1 | 4 | 9 | 9 | 1 | 1 | 11 | 11 | | | | 7 |
| 0 | 2 | 4 | 10 | 10 | 2 | 2 | 11 | 11 | | | | 8 |

SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A | CAT (70 ED.) LEVEL 3 FORM A | | CIBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|---------------------------------------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 60 | 81 | 89 | 104 | 112 | 112 | 89 | 112 | 89 | 91 | | | |
| 59 | 80 | 88 | 102 | 111 | 111 | 87 | 109 | 87 | 90 | | | |
| 58 | 78 | 85 | 100 | 109 | 109 | 85 | 107 | 85 | 88 | | | |
| 57 | 77 | 85 | 98 | 107 | 107 | 84 | 105 | 84 | 87 | | | |
| 56 | 76 | 83 | 97 | 105 | 105 | 82 | 103 | 82 | 85 | | | |
| 55 | 74 | 82 | 95 | 103 | 103 | 81 | 101 | 81 | 83 | | | |
| 54 | 73 | 80 | 93 | 101 | 101 | 79 | 100 | 79 | 82 | | | |
| 53 | 72 | 78 | 91 | 100 | 100 | 77 | 98 | 77 | 80 | | | |
| 52 | 70 | 77 | 89 | 98 | 98 | 76 | 96 | 76 | 78 | | | |
| 51 | 69 | 75 | 87 | 96 | 96 | 74 | 94 | 74 | 77 | | | |
| 50 | 68 | 74 | 85 | 94 | 94 | 72 | 92 | 72 | 75 | | | |
| 49 | 66 | 72 | 84 | 92 | 92 | 71 | 90 | 71 | 74 | | | |
| 48 | 65 | 71 | 82 | 90 | 90 | 69 | 89 | 69 | 72 | | | |
| 47 | 64 | 69 | 80 | 88 | 88 | 68 | 87 | 68 | 70 | | | |
| 46 | 62 | 68 | 78 | 87 | 87 | 66 | 85 | 66 | 69 | | | |
| 45 | 61 | 66 | 76 | 85 | 85 | 64 | 83 | 64 | 67 | | | |
| 44 | 60 | 65 | 74 | 83 | 83 | 63 | 81 | 63 | 66 | | | |
| 43 | 58 | 63 | 73 | 81 | 81 | 61 | 80 | 61 | 64 | | | |
| 42 | 57 | 62 | 71 | 79 | 79 | 59 | 78 | 59 | 62 | | | |
| 41 | 56 | 60 | 69 | 77 | 77 | 58 | 76 | 58 | 61 | | | |
| 40 | 54 | 59 | 67 | 75 | 75 | 56 | 74 | 56 | 59 | | | |
| 39 | 53 | 57 | 65 | 74 | 74 | 55 | 72 | 55 | 58 | | | |
| 38 | 52 | 56 | 63 | 72 | 72 | 53 | 70 | 53 | 56 | | | |
| 37 | 50 | 54 | 61 | 70 | 70 | 51 | 69 | 51 | 54 | | | |
| 36 | 49 | 53 | 60 | 69 | 69 | 50 | 67 | 50 | 53 | | | |
| 35 | 47 | 51 | 58 | 67 | 67 | 48 | 65 | 48 | 51 | | | |
| 34 | 46 | 50 | 56 | 65 | 65 | 47 | 63 | 47 | 49 | | | |
| 33 | 45 | 48 | 54 | 63 | 63 | 45 | 61 | 45 | 48 | | | |
| 32 | 43 | 47 | 52 | 61 | 61 | 43 | 59 | 43 | 46 | | | |
| 31 | 42 | 45 | 50 | 59 | 59 | 42 | 58 | 42 | 45 | | | |
| 30 | 41 | 44 | 49 | 58 | 58 | 41 | 56 | 41 | 44 | | | |
| 29 | 39 | 42 | 47 | 56 | 56 | 39 | 54 | 39 | 43 | | | |
| 28 | 38 | 40 | 45 | 54 | 54 | 38 | 52 | 38 | 41 | | | |
| 27 | 37 | 39 | 43 | 52 | 52 | 37 | 50 | 37 | 40 | | | |
| 26 | 35 | 37 | 41 | 50 | 50 | 35 | 49 | 35 | 38 | | | |
| 25 | 34 | 36 | 39 | 49 | 49 | 34 | 47 | 34 | 37 | | | |
| 24 | 33 | 34 | 37 | 47 | 47 | 33 | 45 | 33 | 35 | | | |
| 23 | 31 | 33 | 36 | 45 | 45 | 32 | 43 | 32 | 33 | | | |
| 22 | 30 | 31 | 34 | 43 | 43 | 31 | 41 | 31 | 32 | | | |
| 21 | 29 | 30 | 32 | 41 | 41 | 30 | 39 | 30 | 30 | | | |
| 20 | 27 | 28 | 30 | 39 | 39 | 28 | 37 | 28 | 29 | | | |

EQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | CATS (68 ED.) LEVEL 3 FORM A TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|--|---|--|---|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 19 | 27 | 28 | 38 | 22 | 25 |
| 18 | 25 | 26 | 36 | 21 | 24 |
| 17 | 24 | 24 | 34 | 19 | 22 |
| 16 | 22 | 23 | 32 | 17 | 20 |
| 15 | 21 | 21 | 30 | 16 | 19 |
| 14 | 19 | 19 | 28 | 14 | 17 |
| 13 | 18 | 17 | 27 | 12 | 16 |
| 12 | 17 | 15 | 25 | 11 | 14 |
| 11 | 15 | 13 | 23 | 9 | 12 |
| 10 | 14 | 12 | 21 | 8 | 11 |
| 9 | 12 | 10 | 19 | 6 | 9 |
| 8 | 10 | 8 | 18 | 4 | 8 |
| 7 | 9 | 6 | 16 | 3 | 6 |
| 6 | 7 | 4 | 14 | 1 | 4 |
| 5 | 6 | 2 | 12 | 1 | 3 |
| 4 | 4 | 0 | 10 | 2 | 1 |
| 3 | 2 | 1 | 8 | 4 | 0 |
| 2 | 1 | 3 | 7 | 5 | 2 |
| 1 | 1 | 5 | 5 | 7 | 4 |
| 0 | 2 | 7 | 3 | 9 | 5 |

TABLE 146. ANCHCP TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| SRA (71 ED.) BLUE FORM F | CAT (70 ED.) LEVEL 3 FORM A | | CIRS (69 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|--------------------------------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 80 | 82 | 92 | 105 | 114 | 114 | 61 | 93 | | | | | |
| 81 | 81 | 89 | 104 | 113 | 113 | 60 | 92 | | | | | |
| 82 | 80 | 88 | 103 | 112 | 112 | 60 | 91 | | | | | |
| 83 | 79 | 87 | 102 | 110 | 110 | 59 | 90 | | | | | |
| 84 | 78 | 86 | 101 | 109 | 109 | 58 | 89 | | | | | |
| 85 | 77 | 85 | 100 | 108 | 108 | 58 | 88 | | | | | |
| 86 | 76 | 84 | 99 | 107 | 107 | 57 | 87 | | | | | |
| 87 | 75 | 83 | 98 | 106 | 106 | 57 | 86 | | | | | |
| 88 | 74 | 82 | 97 | 105 | 105 | 56 | 85 | | | | | |
| 89 | 73 | 81 | 96 | 104 | 104 | 55 | 84 | | | | | |
| 90 | 72 | 80 | 95 | 103 | 103 | 55 | 83 | | | | | |
| 91 | 71 | 79 | 94 | 101 | 101 | 54 | 82 | | | | | |
| 92 | 70 | 78 | 93 | 100 | 100 | 53 | 81 | | | | | |
| 93 | 69 | 77 | 92 | 99 | 99 | 53 | 80 | | | | | |
| 94 | 68 | 76 | 91 | 98 | 98 | 52 | 79 | | | | | |
| 95 | 67 | 75 | 90 | 97 | 97 | 52 | 78 | | | | | |
| 96 | 66 | 74 | 89 | 96 | 96 | 51 | 77 | | | | | |
| 97 | 65 | 73 | 88 | 95 | 95 | 50 | 76 | | | | | |
| 98 | 64 | 72 | 87 | 94 | 94 | 50 | 75 | | | | | |
| 99 | 63 | 71 | 86 | 93 | 93 | 49 | 74 | | | | | |
| 100 | 62 | 70 | 85 | 92 | 92 | 49 | 73 | | | | | |
| 101 | 61 | 69 | 84 | 91 | 91 | 49 | 73 | | | | | |
| 102 | 60 | 68 | 83 | 90 | 90 | 48 | 72 | | | | | |
| 103 | 59 | 67 | 82 | 89 | 89 | 47 | 71 | | | | | |
| 104 | 58 | 66 | 81 | 88 | 88 | 47 | 70 | | | | | |
| 105 | 57 | 65 | 80 | 87 | 87 | 46 | 69 | | | | | |
| 106 | 56 | 64 | 79 | 86 | 86 | 45 | 68 | | | | | |
| 107 | 55 | 63 | 78 | 85 | 85 | 45 | 67 | | | | | |
| 108 | 54 | 62 | 77 | 84 | 84 | 44 | 66 | | | | | |
| 109 | 53 | 61 | 76 | 83 | 83 | 44 | 65 | | | | | |
| 110 | 52 | 60 | 75 | 82 | 82 | 44 | 65 | | | | | |
| 111 | 51 | 59 | 74 | 81 | 81 | 43 | 64 | | | | | |
| 112 | 50 | 58 | 73 | 80 | 80 | 43 | 64 | | | | | |
| 113 | 49 | 57 | 72 | 79 | 79 | 42 | 63 | | | | | |
| 114 | 48 | 56 | 71 | 78 | 78 | 42 | 62 | | | | | |
| 115 | 47 | 55 | 70 | 77 | 77 | 41 | 61 | | | | | |
| 116 | 46 | 54 | 69 | 76 | 76 | 41 | 60 | | | | | |
| 117 | 45 | 53 | 68 | 75 | 75 | 40 | 59 | | | | | |
| 118 | 44 | 52 | 67 | 74 | 74 | 39 | 58 | | | | | |
| 119 | 43 | 51 | 66 | 73 | 73 | 39 | 57 | | | | | |
| 120 | 42 | 50 | 65 | 72 | 72 | 38 | 56 | | | | | |
| 121 | 41 | 49 | 64 | 71 | 71 | 38 | 56 | | | | | |
| 122 | 40 | 48 | 63 | 70 | 70 | 37 | 55 | | | | | |
| 123 | 39 | 47 | 62 | 69 | 69 | 37 | 54 | | | | | |
| 124 | 38 | 46 | 61 | 68 | 68 | 37 | 54 | | | | | |
| 125 | 37 | 45 | 60 | 67 | 67 | 36 | 53 | | | | | |
| 126 | 36 | 44 | 59 | 66 | 66 | 36 | 53 | | | | | |
| 127 | 35 | 43 | 58 | 65 | 65 | 35 | 52 | | | | | |
| 128 | 34 | 42 | 57 | 64 | 64 | 35 | 51 | | | | | |
| 129 | 33 | 41 | 56 | 63 | 63 | 34 | 50 | | | | | |
| 130 | 32 | 40 | 55 | 62 | 62 | 34 | 50 | | | | | |
| 131 | 31 | 39 | 54 | 61 | 61 | 33 | 49 | | | | | |
| 132 | 30 | 38 | 53 | 60 | 60 | 33 | 49 | | | | | |
| 133 | 29 | 37 | 52 | 59 | 59 | 32 | 48 | | | | | |
| 134 | 28 | 36 | 51 | 58 | 58 | 32 | 48 | | | | | |
| 135 | 27 | 35 | 50 | 57 | 57 | 31 | 47 | | | | | |
| 136 | 26 | 34 | 49 | 56 | 56 | 31 | 47 | | | | | |
| 137 | 25 | 33 | 48 | 55 | 55 | 30 | 46 | | | | | |
| 138 | 24 | 32 | 47 | 54 | 54 | 30 | 46 | | | | | |
| 139 | 23 | 31 | 46 | 53 | 53 | 29 | 45 | | | | | |
| 140 | 22 | 30 | 45 | 52 | 52 | 29 | 45 | | | | | |
| 141 | 21 | 29 | 44 | 51 | 51 | 28 | 44 | | | | | |
| 142 | 20 | 28 | 43 | 50 | 50 | 28 | 44 | | | | | |
| 143 | 19 | 27 | 42 | 49 | 49 | 27 | 43 | | | | | |
| 144 | 18 | 26 | 41 | 48 | 48 | 27 | 43 | | | | | |
| 145 | 17 | 25 | 40 | 47 | 47 | 26 | 42 | | | | | |
| 146 | 16 | 24 | 39 | 46 | 46 | 26 | 42 | | | | | |
| 147 | 15 | 23 | 38 | 45 | 45 | 25 | 41 | | | | | |
| 148 | 14 | 22 | 37 | 44 | 44 | 25 | 41 | | | | | |
| 149 | 13 | 21 | 36 | 43 | 43 | 24 | 40 | | | | | |
| 150 | 12 | 20 | 35 | 42 | 42 | 24 | 40 | | | | | |
| 151 | 11 | 19 | 34 | 41 | 41 | 23 | 39 | | | | | |
| 152 | 10 | 18 | 33 | 40 | 40 | 23 | 39 | | | | | |
| 153 | 9 | 17 | 32 | 39 | 39 | 22 | 38 | | | | | |
| 154 | 8 | 16 | 31 | 38 | 38 | 22 | 38 | | | | | |
| 155 | 7 | 15 | 30 | 37 | 37 | 21 | 37 | | | | | |
| 156 | 6 | 14 | 29 | 36 | 36 | 21 | 37 | | | | | |
| 157 | 5 | 13 | 28 | 35 | 35 | 20 | 36 | | | | | |
| 158 | 4 | 12 | 27 | 34 | 34 | 20 | 36 | | | | | |
| 159 | 3 | 11 | 26 | 33 | 33 | 19 | 35 | | | | | |
| 160 | 2 | 10 | 25 | 32 | 32 | 19 | 35 | | | | | |
| 161 | 1 | 9 | 24 | 31 | 31 | 18 | 34 | | | | | |
| 162 | 0 | 8 | 23 | 30 | 30 | 18 | 34 | | | | | |
| 163 | 0 | 7 | 22 | 29 | 29 | 17 | 33 | | | | | |
| 164 | 0 | 6 | 21 | 28 | 28 | 17 | 33 | | | | | |
| 165 | 0 | 5 | 20 | 27 | 27 | 16 | 32 | | | | | |
| 166 | 0 | 4 | 19 | 26 | 26 | 16 | 32 | | | | | |
| 167 | 0 | 3 | 18 | 25 | 25 | 15 | 31 | | | | | |
| 168 | 0 | 2 | 17 | 24 | 24 | 15 | 31 | | | | | |
| 169 | 0 | 1 | 16 | 23 | 23 | 14 | 30 | | | | | |
| 170 | 0 | 0 | 15 | 22 | 22 | 14 | 30 | | | | | |
| 171 | 0 | 0 | 14 | 21 | 21 | 13 | 29 | | | | | |
| 172 | 0 | 0 | 13 | 20 | 20 | 13 | 29 | | | | | |
| 173 | 0 | 0 | 12 | 19 | 19 | 12 | 28 | | | | | |
| 174 | 0 | 0 | 11 | 18 | 18 | 12 | 28 | | | | | |
| 175 | 0 | 0 | 10 | 17 | 17 | 11 | 27 | | | | | |
| 176 | 0 | 0 | 9 | 16 | 16 | 11 | 27 | | | | | |
| 177 | 0 | 0 | 8 | 15 | 15 | 10 | 26 | | | | | |
| 178 | 0 | 0 | 7 | 14 | 14 | 10 | 26 | | | | | |
| 179 | 0 | 0 | 6 | 13 | 13 | 9 | 25 | | | | | |
| 180 | 0 | 0 | 5 | 12 | 12 | 9 | 25 | | | | | |
| 181 | 0 | 0 | 4 | 11 | 11 | 8 | 24 | | | | | |
| 182 | 0 | 0 | 3 | 10 | 10 | 8 | 24 | | | | | |
| 183 | 0 | 0 | 2 | 9 | 9 | 7 | 23 | | | | | |
| 184 | 0 | 0 | 1 | 8 | 8 | 7 | 23 | | | | | |
| 185 | 0 | 0 | 0 | 7 | 7 | 6 | 22 | | | | | |
| 186 | 0 | 0 | 0 | 6 | 6 | 6 | 22 | | | | | |
| 187 | 0 | 0 | 0 | 5 | 5 | 5 | 21 | | | | | |
| 188 | 0 | 0 | 0 | 4 | 4 | 5 | 21 | | | | | |
| 189 | 0 | 0 | 0 | 3 | 3 | 4 | 20 | | | | | |
| 190 | 0 | 0 | 0 | 2 | 2 | 4 | 20 | | | | | |
| 191 | 0 | 0 | 0 | 1 | 1 | 3 | 19 | | | | | |
| 192 | 0 | 0 | 0 | 0 | 0 | 3 | 19 | | | | | |
| 193 | 0 | 0 | 0 | 0 | 0 | 2 | 18 | | | | | |
| 194 | 0 | 0 | 0 | 0 | 0 | 2 | 18 | | | | | |
| 195 | 0 | 0 | 0 | 0 | 0 | 1 | 17 | | | | | |
| 196 | 0 | 0 | 0 | 0 | 0 | 1 | 17 | | | | | |
| 197 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | | | | | |
| 198 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | | | | | |
| 199 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | | | | | |
| 200 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | | | | | |

SRA ACHIEVEMENT SERIES (SRA1 READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CTRS (68 ED.) | | ITBS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|---------------|-------------------|---------------|--------------------|---------------|----------------------|---------------|-------------------|---------------|--------------------------|---------------|
| | LEVEL 1 FORM A | TOTAL READING | LEVEL 2 FORM C | TOTAL READING | LEVEL 10 FORM 5 | TOTAL READING | ELEMENTARY FORM F | TOTAL READING | LEVEL 4 FORM A | TOTAL READING | INTERMEDIATE 1 FORM M | TOTAL READING |
| 49 | 48 | 52 | 59 | 68 | 36 | 52 | 68 | 36 | 36 | 52 | 52 | |
| 48 | 47 | 51 | 58 | 67 | 35 | 51 | 67 | 35 | 35 | 51 | 51 | |
| 47 | 47 | 50 | 57 | 66 | 34 | 50 | 66 | 34 | 34 | 50 | 50 | |
| 46 | 46 | 49 | 55 | 64 | 33 | 49 | 64 | 33 | 33 | 49 | 49 | |
| 45 | 45 | 48 | 54 | 63 | 32 | 48 | 63 | 32 | 32 | 48 | 48 | |
| 44 | 44 | 47 | 53 | 62 | 31 | 47 | 62 | 31 | 31 | 47 | 47 | |
| 43 | 43 | 46 | 52 | 61 | 30 | 46 | 61 | 30 | 30 | 46 | 46 | |
| 42 | 42 | 45 | 51 | 60 | 29 | 45 | 60 | 29 | 29 | 45 | 45 | |
| 41 | 42 | 44 | 50 | 59 | 28 | 44 | 59 | 28 | 28 | 44 | 44 | |
| 40 | 41 | 44 | 49 | 58 | 27 | 44 | 58 | 27 | 27 | 44 | 44 | |
| 39 | 40 | 43 | 47 | 57 | 26 | 43 | 57 | 26 | 26 | 43 | 43 | |
| 38 | 39 | 42 | 46 | 55 | 25 | 42 | 55 | 25 | 25 | 42 | 42 | |
| 37 | 38 | 41 | 45 | 54 | 24 | 41 | 54 | 24 | 24 | 41 | 41 | |
| 36 | 37 | 40 | 44 | 53 | 23 | 40 | 53 | 23 | 23 | 40 | 40 | |
| 35 | 37 | 39 | 43 | 52 | 22 | 39 | 52 | 22 | 22 | 39 | 39 | |
| 34 | 36 | 38 | 42 | 51 | 21 | 38 | 51 | 21 | 21 | 38 | 38 | |
| 33 | 35 | 37 | 41 | 50 | 20 | 37 | 50 | 20 | 20 | 37 | 37 | |
| 32 | 34 | 36 | 40 | 49 | 19 | 36 | 49 | 19 | 19 | 36 | 36 | |
| 31 | 33 | 35 | 39 | 48 | 18 | 35 | 48 | 18 | 18 | 35 | 35 | |
| 30 | 32 | 34 | 38 | 47 | 17 | 34 | 47 | 17 | 17 | 34 | 34 | |
| 29 | 31 | 33 | 37 | 46 | 16 | 33 | 46 | 16 | 16 | 33 | 33 | |
| 28 | 30 | 32 | 36 | 45 | 15 | 32 | 45 | 15 | 15 | 32 | 32 | |
| 27 | 29 | 31 | 35 | 44 | 14 | 31 | 44 | 14 | 14 | 31 | 31 | |
| 26 | 28 | 30 | 34 | 43 | 13 | 30 | 43 | 13 | 13 | 30 | 30 | |
| 25 | 27 | 29 | 33 | 42 | 12 | 29 | 42 | 12 | 12 | 29 | 29 | |
| 24 | 26 | 28 | 31 | 41 | 11 | 28 | 41 | 11 | 11 | 28 | 28 | |
| 23 | 25 | 27 | 30 | 40 | 10 | 27 | 40 | 10 | 10 | 27 | 27 | |
| 22 | 24 | 26 | 29 | 39 | 9 | 26 | 39 | 9 | 9 | 26 | 26 | |
| 21 | 23 | 25 | 28 | 37 | 8 | 25 | 37 | 8 | 8 | 25 | 25 | |
| 20 | 22 | 24 | 27 | 36 | 7 | 24 | 36 | 7 | 7 | 24 | 24 | |
| 19 | 21 | 23 | 26 | 35 | 6 | 23 | 35 | 6 | 6 | 23 | 23 | |
| 18 | 20 | 22 | 25 | 34 | 5 | 22 | 34 | 5 | 5 | 22 | 22 | |
| 17 | 19 | 21 | 24 | 33 | 4 | 21 | 33 | 4 | 4 | 21 | 21 | |
| 16 | 18 | 20 | 23 | 32 | 3 | 20 | 32 | 3 | 3 | 20 | 20 | |
| 15 | 17 | 19 | 22 | 31 | 2 | 19 | 31 | 2 | 2 | 19 | 19 | |
| 14 | 16 | 18 | 21 | 30 | 1 | 18 | 30 | 1 | 1 | 18 | 18 | |
| 13 | 15 | 17 | 20 | 28 | 0 | 17 | 28 | 0 | 0 | 17 | 17 | |
| 12 | 14 | 16 | 19 | 27 | 0 | 16 | 27 | 0 | 0 | 16 | 16 | |
| 11 | 13 | 15 | 18 | 26 | 0 | 15 | 26 | 0 | 0 | 15 | 15 | |
| 10 | 12 | 14 | 17 | 25 | 0 | 14 | 25 | 0 | 0 | 14 | 14 | |
| 9 | 11 | 13 | 16 | 24 | 0 | 13 | 24 | 0 | 0 | 13 | 13 | |
| | | | 15 | 23 | 0 | 12 | 23 | 0 | 0 | 12 | 12 | |
| | | | 14 | 22 | 0 | 11 | 22 | 0 | 0 | 11 | 11 | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CTRS (63 ED.) | | ITRS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|---------------|-------------------|---------------|--------------------|---------------|----------------------|---------------|-------------------|---------------|--------------------------|---------------|
| | LEVEL 3 FORM A | TOTAL READING | LEVEL 2 FORM C | TOTAL READING | LEVEL 10 FORM 5 | TOTAL READING | ELEMENTARY FORM F | TOTAL READING | LEVEL 4 FORM A | TOTAL READING | INTERMEDIATE I FORM M | TOTAL READING |
| 8 | 14 | | 14 | | 12 | | 22 | | 10 | | 11 | |
| 7 | 13 | | 13 | | 11 | | 21 | | 10 | | 10 | |
| 6 | 13 | | 12 | | 10 | | 19 | | 9 | | 9 | |
| 5 | 12 | | 11 | | 9 | | 19 | | 9 | | 8 | |
| 4 | 11 | | 10 | | 8 | | 17 | | 8 | | 7 | |
| 3 | 10 | | 9 | | 6 | | 16 | | 7 | | 6 | |
| 2 | 9 | | 8 | | 5 | | 15 | | 7 | | 5 | |
| 1 | 9 | | 7 | | 4 | | 14 | | 6 | | 4 | |
| 0 | 8 | | 6 | | 3 | | 13 | | 5 | | 3 | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | TTBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|--|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 92 | 87 | 95 | 112 | 120 | 64 | 64 | 95 | 95 | | | | |
| 97 | 86 | 55 | 110 | 119 | 64 | 64 | 94 | 94 | | | | |
| 95 | 85 | 94 | 109 | 119 | 63 | 63 | 93 | 93 | | | | |
| 95 | 84 | 93 | 108 | 117 | 62 | 62 | 92 | 92 | | | | |
| 94 | 83 | 92 | 107 | 115 | 62 | 62 | 91 | 91 | | | | |
| 93 | 82 | 91 | 106 | 114 | 61 | 61 | 90 | 90 | | | | |
| 92 | 81 | 90 | 105 | 113 | 60 | 60 | 89 | 89 | | | | |
| 91 | 80 | 89 | 104 | 112 | 60 | 60 | 88 | 88 | | | | |
| 90 | 79 | 88 | 102 | 111 | 59 | 59 | 87 | 87 | | | | |
| 89 | 78 | 87 | 101 | 110 | 59 | 59 | 86 | 86 | | | | |
| 88 | 77 | 86 | 100 | 109 | 58 | 58 | 85 | 85 | | | | |
| 87 | 76 | 85 | 99 | 107 | 57 | 57 | 84 | 84 | | | | |
| 86 | 75 | 84 | 98 | 106 | 57 | 57 | 83 | 83 | | | | |
| 85 | 74 | 83 | 97 | 105 | 56 | 56 | 82 | 82 | | | | |
| 84 | 73 | 82 | 96 | 104 | 56 | 56 | 81 | 81 | | | | |
| 83 | 72 | 81 | 94 | 103 | 55 | 55 | 80 | 80 | | | | |
| 82 | 71 | 80 | 93 | 102 | 54 | 54 | 79 | 79 | | | | |
| 81 | 70 | 79 | 92 | 101 | 54 | 54 | 78 | 78 | | | | |
| 80 | 69 | 78 | 91 | 100 | 53 | 53 | 77 | 77 | | | | |
| 79 | 68 | 77 | 90 | 99 | 52 | 52 | 76 | 76 | | | | |
| 78 | 67 | 76 | 89 | 97 | 52 | 52 | 75 | 75 | | | | |
| 77 | 66 | 75 | 88 | 96 | 51 | 51 | 74 | 74 | | | | |
| 76 | 65 | 74 | 86 | 95 | 51 | 51 | 73 | 73 | | | | |
| 75 | 64 | 73 | 85 | 94 | 50 | 50 | 72 | 72 | | | | |
| 74 | 63 | 72 | 84 | 93 | 49 | 49 | 71 | 71 | | | | |
| 73 | 62 | 71 | 83 | 92 | 49 | 49 | 70 | 70 | | | | |
| 72 | 61 | 70 | 82 | 90 | 48 | 48 | 69 | 69 | | | | |
| 71 | 60 | 69 | 81 | 89 | 47 | 47 | 68 | 68 | | | | |
| 70 | 59 | 68 | 80 | 88 | 47 | 47 | 67 | 67 | | | | |
| 69 | 58 | 67 | 78 | 87 | 46 | 46 | 66 | 66 | | | | |
| 68 | 57 | 66 | 77 | 86 | 46 | 46 | 65 | 65 | | | | |
| 67 | 56 | 65 | 76 | 85 | 45 | 45 | 64 | 64 | | | | |
| 66 | 55 | 64 | 75 | 84 | 44 | 44 | 63 | 63 | | | | |
| 65 | 54 | 63 | 74 | 83 | 44 | 44 | 62 | 62 | | | | |
| 64 | 53 | 62 | 73 | 81 | 43 | 43 | 61 | 61 | | | | |
| 63 | 52 | 61 | 71 | 80 | 42 | 42 | 60 | 60 | | | | |
| 62 | 51 | 60 | 70 | 79 | 42 | 42 | 59 | 59 | | | | |
| 61 | 50 | 59 | 69 | 78 | 41 | 41 | 58 | 58 | | | | |
| 60 | 49 | 58 | 68 | 77 | 41 | 41 | 57 | 57 | | | | |
| 59 | 48 | 57 | 67 | 76 | 40 | 40 | 56 | 56 | | | | |
| 58 | 47 | 56 | 66 | 75 | 39 | 39 | 55 | 55 | | | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|--|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 57 | 52 | 57 | 65 | 74 | 74 | 39 | 54 | | | | | |
| 58 | 52 | 63 | 72 | 72 | 53 | 38 | 53 | | | | | |
| 55 | 51 | 55 | 62 | 71 | 52 | 38 | 52 | | | | | |
| 54 | 50 | 54 | 61 | 70 | 51 | 37 | 51 | | | | | |
| 53 | 49 | 53 | 60 | 69 | 50 | 36 | 50 | | | | | |
| 52 | 48 | 52 | 59 | 68 | 49 | 36 | 49 | | | | | |
| 51 | 47 | 51 | 58 | 67 | 48 | 35 | 48 | | | | | |
| 50 | 47 | 50 | 57 | 66 | 47 | 34 | 47 | | | | | |
| 49 | 46 | 49 | 55 | 64 | 46 | 34 | 46 | | | | | |
| 48 | 45 | 48 | 54 | 63 | 45 | 33 | 45 | | | | | |
| 47 | 44 | 47 | 53 | 62 | 44 | 33 | 44 | | | | | |
| 46 | 43 | 46 | 52 | 61 | 43 | 32 | 43 | | | | | |
| 45 | 42 | 45 | 51 | 60 | 42 | 31 | 42 | | | | | |
| 44 | 42 | 44 | 50 | 59 | 41 | 31 | 41 | | | | | |
| 43 | 41 | 44 | 49 | 58 | 40 | 30 | 40 | | | | | |
| 42 | 40 | 43 | 47 | 57 | 39 | 29 | 39 | | | | | |
| 41 | 39 | 42 | 46 | 55 | 38 | 29 | 38 | | | | | |
| 40 | 38 | 41 | 45 | 54 | 37 | 28 | 37 | | | | | |
| 39 | 37 | 40 | 44 | 53 | 36 | 28 | 36 | | | | | |
| 38 | 37 | 39 | 43 | 52 | 35 | 27 | 35 | | | | | |
| 37 | 36 | 38 | 42 | 51 | 34 | 26 | 34 | | | | | |
| 36 | 35 | 37 | 41 | 50 | 33 | 26 | 33 | | | | | |
| 35 | 34 | 36 | 40 | 49 | 32 | 25 | 32 | | | | | |
| 34 | 33 | 35 | 38 | 47 | 31 | 24 | 31 | | | | | |
| 33 | 33 | 34 | 37 | 46 | 30 | 24 | 30 | | | | | |
| 32 | 32 | 33 | 36 | 45 | 29 | 23 | 29 | | | | | |
| 31 | 31 | 32 | 35 | 44 | 28 | 23 | 28 | | | | | |
| 30 | 30 | 31 | 34 | 43 | 27 | 22 | 27 | | | | | |
| 29 | 29 | 30 | 32 | 42 | 26 | 21 | 26 | | | | | |
| 28 | 28 | 29 | 31 | 41 | 25 | 21 | 25 | | | | | |
| 27 | 27 | 28 | 30 | 40 | 24 | 20 | 24 | | | | | |
| 26 | 26 | 27 | 29 | 38 | 23 | 20 | 23 | | | | | |
| 25 | 26 | 27 | 28 | 37 | 22 | 19 | 22 | | | | | |
| 24 | 25 | 26 | 27 | 36 | 21 | 18 | 21 | | | | | |
| 23 | 24 | 25 | 26 | 35 | 20 | 18 | 20 | | | | | |
| 22 | 23 | 24 | 24 | 34 | 19 | 17 | 19 | | | | | |
| 21 | 22 | 23 | 23 | 33 | 18 | 16 | 18 | | | | | |
| 20 | 22 | 22 | 22 | 32 | 17 | 16 | 17 | | | | | |
| 19 | 21 | 21 | 21 | 31 | 16 | 15 | 16 | | | | | |
| 18 | 20 | 20 | 20 | 29 | 15 | 15 | 15 | | | | | |
| 17 | 19 | 19 | 19 | 28 | 14 | 14 | 14 | | | | | |

TABLE 147. ANCHOR TEST EQUATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 16 | 18 | | 18 | | 19 | | 27 | | 13 | | 13 | |
| 15 | 17 | | 17 | | 16 | | 26 | | 13 | | 12 | |
| 14 | 17 | | 16 | | 15 | | 25 | | 12 | | 11 | |
| 13 | 16 | | 15 | | 14 | | 24 | | 11 | | 10 | |
| 12 | 15 | | 14 | | 13 | | 23 | | 11 | | 9 | |
| 11 | 14 | | 13 | | 12 | | 21 | | 10 | | 9 | |
| 10 | 13 | | 12 | | 11 | | 20 | | 10 | | 7 | |
| 9 | 12 | | 11 | | 10 | | 19 | | 9 | | 6 | |
| 8 | 12 | | 11 | | 8 | | 18 | | 8 | | 5 | |
| 7 | 11 | | 10 | | 7 | | 17 | | 8 | | 4 | |
| 6 | 10 | | 9 | | 6 | | 16 | | 7 | | 3 | |
| 5 | 9 | | 8 | | 5 | | 15 | | 6 | | 2 | |
| 4 | 9 | | 7 | | 4 | | 14 | | 6 | | 1 | |
| 3 | 7 | | 6 | | 3 | | 12 | | 5 | | 0 | |
| 2 | 7 | | 5 | | 2 | | 11 | | 5 | | 1 | |
| 1 | 6 | | 4 | | 0 | | 10 | | 4 | | 2 | |
| 0 | 5 | | 3 | | 1 | | 9 | | 3 | | 3 | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, FORTY-PERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CATS (64 ED.) LEVEL 2 FORM C TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM M TOTAL READING |
|--|---|--|---|--|---|---|
| | | | | | | |
| 82 | 55 | 104 | 95 | 60 | 90 | 98 |
| 81 | 54 | 102 | 95 | 59 | 89 | 95 |
| 80 | 53 | 101 | 94 | 58 | 88 | 94 |
| 79 | 52 | 99 | 94 | 58 | 86 | 92 |
| 78 | 51 | 98 | 93 | 57 | 85 | 90 |
| 77 | 50 | 96 | 92 | 56 | 84 | 89 |
| 76 | 49 | 95 | 92 | 55 | 83 | 87 |
| 75 | 48 | 94 | 91 | 55 | 82 | 86 |
| 74 | 47 | 93 | 91 | 54 | 81 | 85 |
| 73 | 46 | 92 | 90 | 53 | 80 | 83 |
| 72 | 45 | 91 | 90 | 53 | 79 | 82 |
| 71 | 44 | 90 | 89 | 52 | 78 | 81 |
| 70 | 43 | 89 | 89 | 52 | 77 | 79 |
| 69 | 42 | 87 | 88 | 51 | 76 | 78 |
| 68 | 41 | 85 | 88 | 50 | 75 | 77 |
| 67 | 40 | 85 | 87 | 50 | 74 | 76 |
| 66 | 39 | 84 | 87 | 49 | 73 | 74 |
| 65 | 38 | 83 | 86 | 48 | 72 | 73 |
| 64 | 37 | 82 | 86 | 48 | 70 | 72 |
| 63 | 36 | 80 | 85 | 47 | 69 | 71 |
| 62 | 35 | 79 | 85 | 46 | 68 | 69 |
| 61 | 34 | 78 | 84 | 46 | 67 | 68 |
| 60 | 33 | 75 | 83 | 45 | 65 | 67 |
| 59 | 32 | 75 | 83 | 44 | 64 | 65 |
| 58 | 31 | 74 | 82 | 43 | 62 | 64 |
| 57 | 30 | 72 | 81 | 42 | 61 | 63 |
| 56 | 29 | 71 | 81 | 42 | 59 | 61 |
| 55 | 28 | 70 | 79 | 41 | 58 | 60 |
| 54 | 27 | 68 | 78 | 40 | 56 | 59 |
| 53 | 26 | 67 | 77 | 39 | 55 | 57 |
| 52 | 25 | 65 | 76 | 38 | 53 | 56 |
| 51 | 24 | 63 | 75 | 38 | 52 | 55 |
| 50 | 23 | 62 | 74 | 37 | 50 | 54 |
| 49 | 22 | 60 | 73 | 36 | 48 | 52 |
| 48 | 21 | 59 | 72 | 35 | 47 | 51 |
| 47 | 20 | 57 | 70 | 35 | 46 | 50 |
| 46 | 19 | 55 | 69 | 34 | 44 | 48 |
| 45 | 18 | 54 | 68 | 33 | 43 | 47 |
| 44 | 17 | 52 | 66 | 32 | 41 | 46 |
| 43 | 16 | 50 | 65 | 31 | 40 | 45 |
| 42 | 15 | 49 | 63 | 31 | 39 | 43 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTBS (65 ED.) LEVEL 2 FORM 2 TOTAL READING | ITRS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-11 (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|--|---|--|---|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 41 | 47 | 62 | 30 | 37 | 42 | |
| 40 | 45 | 60 | 29 | 36 | 41 | |
| 39 | 44 | 58 | 29 | 35 | 40 | |
| 38 | 42 | 57 | 28 | 34 | 38 | |
| 37 | 41 | 55 | 27 | 33 | 37 | |
| 36 | 39 | 54 | 26 | 32 | 36 | |
| 35 | 38 | 52 | 26 | 31 | 35 | |
| 34 | 37 | 50 | 25 | 30 | 34 | |
| 33 | 36 | 48 | 24 | 29 | 33 | |
| 32 | 34 | 46 | 24 | 28 | 32 | |
| 31 | 33 | 44 | 23 | 27 | 31 | |
| 30 | 32 | 42 | 22 | 27 | 30 | |
| 29 | 31 | 40 | 21 | 26 | 29 | |
| 28 | 30 | 38 | 21 | 25 | 28 | |
| 27 | 29 | 37 | 20 | 24 | 27 | |
| 26 | 29 | 35 | 19 | 24 | 26 | |
| 25 | 28 | 33 | 18 | 23 | 25 | |
| 24 | 27 | 31 | 18 | 22 | 24 | |
| 23 | 26 | 30 | 17 | 21 | 24 | |
| 22 | 25 | 28 | 16 | 21 | 23 | |
| 21 | 24 | 27 | 16 | 20 | 22 | |
| 20 | 24 | 25 | 15 | 19 | 21 | |
| 19 | 23 | 24 | 14 | 18 | 20 | |
| 18 | 22 | 22 | 13 | 17 | 19 | |
| 17 | 21 | 21 | 12 | 16 | 17 | |
| 16 | 20 | 20 | 12 | 15 | 17 | |
| 15 | 19 | 18 | 11 | 14 | 16 | |
| 14 | 17 | 17 | 10 | 13 | 15 | |
| 13 | 15 | 15 | 9 | 11 | 14 | |
| 12 | 14 | 14 | 8 | 10 | 13 | |
| 11 | 13 | 13 | 7 | 9 | 12 | |
| 10 | 11 | 11 | 7 | 8 | 11 | |
| 9 | 9 | 11 | 6 | 7 | 10 | |
| 8 | 8 | 10 | 5 | 6 | 9 | |
| 7 | 7 | 9 | 4 | 5 | 8 | |
| 6 | 5 | 8 | 3 | 4 | 7 | |
| 5 | 4 | 7 | 3 | 3 | 6 | |
| 4 | 3 | 6 | 2 | 2 | 5 | |
| 3 | 2 | 5 | 1 | 1 | 4 | |
| 2 | 1 | 4 | 0 | 0 | 3 | |
| 1 | 0 | 3 | 0 | 0 | 2 | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTRS (68 ED.) LEVEL 2 FORM Q TOTAL READING | ITBS (71 ED.) LEVEL 1C FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-11 (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|--|---|--|---|--|---|---|
| | | | | | | |

| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
|-----------|------------------|------------------|------------------|------------------|------------------|------------------|
| 0 | 0 | 2 | 0 | 0 | 0 | 0 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1962 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3. EQUIPERCENTILE METHOD

| CTBS (43 ED.) LEVEL 2 FORM G | CAT (70 ED.) LEVEL 3 FORM A | ITRS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-11 (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 85 | 104 | 95 | 60 | 90 | 95 | 95 |
| 84 | 102 | 95 | 59 | 89 | 94 | 96 |
| 83 | 101 | 94 | 59 | 89 | 94 | 94 |
| 82 | 100 | 94 | 58 | 87 | 93 | 93 |
| 81 | 98 | 93 | 57 | 85 | 91 | 91 |
| 80 | 97 | 93 | 56 | 85 | 89 | 89 |
| 79 | 95 | 92 | 55 | 83 | 88 | 88 |
| 78 | 94 | 91 | 55 | 82 | 86 | 86 |
| 77 | 92 | 91 | 54 | 81 | 84 | 84 |
| 76 | 91 | 90 | 53 | 80 | 82 | 82 |
| 75 | 90 | 89 | 52 | 78 | 81 | 81 |
| 74 | 89 | 89 | 51 | 77 | 79 | 79 |
| 73 | 87 | 88 | 51 | 76 | 78 | 78 |
| 72 | 85 | 87 | 50 | 74 | 76 | 76 |
| 71 | 84 | 87 | 49 | 73 | 74 | 74 |
| 70 | 82 | 86 | 48 | 71 | 73 | 73 |
| 69 | 81 | 85 | 47 | 70 | 71 | 71 |
| 68 | 79 | 85 | 47 | 68 | 70 | 70 |
| 67 | 78 | 84 | 46 | 67 | 69 | 69 |
| 66 | 77 | 83 | 45 | 65 | 67 | 67 |
| 65 | 75 | 83 | 44 | 64 | 65 | 65 |
| 64 | 74 | 82 | 43 | 62 | 64 | 64 |
| 63 | 72 | 81 | 42 | 61 | 63 | 63 |
| 62 | 71 | 80 | 42 | 59 | 61 | 61 |
| 61 | 70 | 79 | 41 | 58 | 60 | 60 |
| 60 | 68 | 78 | 40 | 56 | 59 | 59 |
| 59 | 67 | 77 | 39 | 55 | 58 | 58 |
| 58 | 66 | 77 | 39 | 54 | 57 | 57 |
| 57 | 64 | 76 | 38 | 52 | 56 | 56 |
| 56 | 63 | 75 | 37 | 51 | 54 | 54 |
| 55 | 61 | 74 | 37 | 50 | 53 | 53 |
| 54 | 60 | 73 | 36 | 48 | 52 | 52 |
| 53 | 58 | 71 | 35 | 47 | 51 | 51 |
| 52 | 57 | 70 | 35 | 46 | 50 | 50 |
| 51 | 56 | 69 | 34 | 45 | 49 | 49 |
| 50 | 55 | 68 | 33 | 44 | 48 | 48 |
| 49 | 53 | 67 | 33 | 42 | 47 | 47 |
| 48 | 52 | 66 | 32 | 41 | 46 | 46 |
| 47 | 51 | 65 | 32 | 40 | 45 | 45 |
| 46 | 49 | 64 | 31 | 39 | 44 | 44 |
| 45 | 48 | 63 | 31 | 38 | 43 | 43 |

TABLE 149. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM C | CAT (70 ED.) LEVEL 3 FORM A | ITRS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W | TOTAL READING | | EQUIVALENT SCORE | |
|------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|---------------|------------------|------------------|------------------|
| | | | | | | | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 44 | 41 | 47 | 61 | 30 | 37 | 42 | | | | |
| 43 | 40 | 46 | 60 | 29 | 37 | 41 | | | | |
| 42 | 39 | 44 | 59 | 29 | 36 | 40 | | | | |
| 41 | 38 | 43 | 58 | 28 | 35 | 39 | | | | |
| 40 | 37 | 42 | 57 | 28 | 34 | 38 | | | | |
| 39 | 37 | 41 | 55 | 27 | 33 | 37 | | | | |
| 38 | 36 | 40 | 54 | 27 | 32 | 36 | | | | |
| 37 | 35 | 39 | 53 | 26 | 32 | 36 | | | | |
| 36 | 35 | 39 | 51 | 26 | 31 | 35 | | | | |
| 35 | 34 | 37 | 50 | 25 | 30 | 34 | | | | |
| 34 | 33 | 36 | 49 | 24 | 29 | 33 | | | | |
| 33 | 32 | 35 | 47 | 24 | 28 | 32 | | | | |
| 32 | 32 | 34 | 45 | 23 | 28 | 31 | | | | |
| 31 | 31 | 33 | 44 | 23 | 27 | 30 | | | | |
| 30 | 30 | 32 | 42 | 22 | 26 | 30 | | | | |
| 29 | 29 | 31 | 40 | 21 | 25 | 29 | | | | |
| 28 | 28 | 30 | 37 | 21 | 25 | 28 | | | | |
| 27 | 27 | 30 | 37 | 20 | 24 | 27 | | | | |
| 26 | 26 | 29 | 35 | 19 | 24 | 26 | | | | |
| 25 | 25 | 28 | 33 | 19 | 23 | 25 | | | | |
| 24 | 24 | 27 | 32 | 18 | 22 | 24 | | | | |
| 23 | 23 | 26 | 30 | 17 | 21 | 24 | | | | |
| 22 | 22 | 25 | 28 | 16 | 21 | 23 | | | | |
| 21 | 21 | 24 | 26 | 16 | 20 | 21 | | | | |
| 20 | 20 | 23 | 25 | 15 | 20 | 20 | | | | |
| 19 | 19 | 22 | 23 | 14 | 19 | 19 | | | | |
| 18 | 18 | 21 | 22 | 13 | 17 | 18 | | | | |
| 17 | 17 | 20 | 20 | 12 | 16 | 17 | | | | |
| 16 | 16 | 19 | 19 | 11 | 15 | 15 | | | | |
| 15 | 15 | 18 | 18 | 10 | 14 | 14 | | | | |
| 14 | 14 | 17 | 17 | 10 | 13 | 12 | | | | |
| 13 | 13 | 15 | 16 | 9 | 12 | 11 | | | | |
| 12 | 12 | 14 | 15 | 8 | 11 | 10 | | | | |
| 11 | 11 | 13 | 14 | 8 | 10 | 9 | | | | |
| 10 | 11 | 11 | 13 | 7 | 9 | 8 | | | | |
| 9 | 10 | 10 | 12 | 6 | 8 | 7 | | | | |
| 8 | 9 | 9 | 11 | 5 | 7 | 6 | | | | |
| 7 | 8 | 8 | 10 | 5 | 6 | 5 | | | | |
| 6 | 7 | 7 | 9 | 4 | 5 | 4 | | | | |
| 5 | 6 | 5 | 8 | 3 | 4 | 3 | | | | |
| 4 | 5 | 4 | 7 | 2 | 3 | 2 | | | | |

TABLE 149. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| CTBS (68 ED.) LEVEL 2 FORM C TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | TBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-11 (69 ED.) LEVEL 4 FORM A TOTAL READING | SRM (71 ED.) GRADE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|---|--|---|---|--|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 3 | 4 | 2 | 6 | 2 | 1 | 2 |
| 2 | 3 | 1 | 5 | 1 | 0 | 1 |
| 1 | 2 | 0 | 4 | 0 | 0 | 0 |
| 0 | 1 | 0 | 3 | 0 | 0 | 0 |

TABLE 150. ANCHOR TEST EQUATING STUDY: GRADE 4

ICWA TEST OF BASIC SKILLS (ITRS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| ITRS (71 ED.) LEVEL 10 FORM K TOTAL READING | CAT (70 ED.) LEVEL 9 FORM A TOTAL READING | CTBS (69 ED.) LEVEL 7 FORM C TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|--|--|---|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | | | EQUIVALENT SCORE | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 109 | 82 | 85 | 95 | 60 | 60 | 90 | 90 | 90 | 90 | |
| 105 | 82 | 85 | 95 | 60 | 60 | 90 | 90 | 90 | 90 | |
| 104 | 82 | 85 | 95 | 60 | 60 | 90 | 90 | 90 | 90 | |
| 103 | 82 | 84 | 95 | 60 | 60 | 89 | 89 | 89 | 97 | |
| 102 | 81 | 84 | 95 | 59 | 59 | 88 | 88 | 88 | 95 | |
| 101 | 80 | 83 | 94 | 59 | 59 | 88 | 88 | 88 | 94 | |
| 100 | 80 | 82 | 94 | 58 | 58 | 87 | 87 | 87 | 93 | |
| 99 | 79 | 82 | 93 | 57 | 57 | 86 | 86 | 86 | 92 | |
| 98 | 78 | 81 | 93 | 57 | 57 | 85 | 85 | 85 | 91 | |
| 97 | 78 | 80 | 93 | 56 | 56 | 85 | 85 | 85 | 89 | |
| 96 | 77 | 79 | 92 | 56 | 56 | 84 | 84 | 84 | 88 | |
| 95 | 76 | 79 | 92 | 55 | 55 | 83 | 83 | 83 | 87 | |
| 94 | 75 | 78 | 91 | 55 | 55 | 82 | 82 | 82 | 86 | |
| 93 | 74 | 78 | 91 | 54 | 54 | 81 | 81 | 81 | 85 | |
| 92 | 73 | 77 | 90 | 54 | 54 | 81 | 81 | 81 | 83 | |
| 91 | 72 | 76 | 90 | 53 | 53 | 80 | 80 | 80 | 82 | |
| 90 | 71 | 75 | 90 | 52 | 52 | 79 | 79 | 79 | 81 | |
| 89 | 70 | 75 | 89 | 52 | 52 | 78 | 78 | 78 | 80 | |
| 88 | 70 | 74 | 89 | 51 | 51 | 77 | 77 | 77 | 79 | |
| 87 | 69 | 73 | 88 | 51 | 51 | 76 | 76 | 76 | 78 | |
| 86 | 68 | 72 | 88 | 50 | 50 | 75 | 75 | 75 | 77 | |
| 85 | 67 | 72 | 87 | 50 | 50 | 74 | 74 | 74 | 76 | |
| 84 | 66 | 71 | 87 | 49 | 49 | 73 | 73 | 73 | 75 | |
| 83 | 65 | 71 | 86 | 49 | 49 | 72 | 72 | 72 | 74 | |
| 82 | 64 | 70 | 86 | 48 | 48 | 71 | 71 | 71 | 73 | |
| 81 | 64 | 69 | 85 | 48 | 48 | 70 | 70 | 70 | 72 | |
| 80 | 63 | 69 | 85 | 47 | 47 | 69 | 69 | 69 | 71 | |
| 79 | 62 | 68 | 85 | 46 | 46 | 68 | 68 | 68 | 70 | |
| 78 | 61 | 67 | 84 | 46 | 46 | 67 | 67 | 67 | 69 | |
| 77 | 61 | 66 | 84 | 45 | 45 | 66 | 66 | 66 | 68 | |
| 76 | 60 | 66 | 83 | 45 | 45 | 65 | 65 | 65 | 67 | |
| 75 | 60 | 65 | 82 | 44 | 44 | 64 | 64 | 64 | 66 | |
| 74 | 59 | 65 | 82 | 44 | 44 | 64 | 64 | 64 | 65 | |
| 73 | 58 | 64 | 82 | 43 | 43 | 63 | 63 | 63 | 64 | |
| 72 | 57 | 64 | 81 | 43 | 43 | 62 | 62 | 62 | 63 | |
| 71 | 56 | 63 | 81 | 42 | 42 | 60 | 60 | 60 | 62 | |
| 70 | 55 | 62 | 80 | 42 | 42 | 59 | 59 | 59 | 61 | |
| 69 | 55 | 61 | 80 | 41 | 41 | 58 | 58 | 58 | 60 | |
| 68 | 54 | 61 | 79 | 41 | 41 | 57 | 57 | 57 | 60 | |
| 67 | 54 | 60 | 78 | 40 | 40 | 56 | 56 | 56 | 59 | |
| 66 | 53 | 59 | 77 | 39 | 39 | 55 | 55 | 55 | 58 | |
| 65 | 53 | 58 | 77 | 39 | 39 | 54 | 54 | 54 | 57 | |

ICWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | CAT (70 ED.) LEVEL 2 FORM A TOTAL READING | | CTRS (48 ED.) LEVEL 2 FORM C TOTAL READING | | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | STEP-11 (69 ED.) LEVEL 4 FORM A TOTAL READING | | SRA (71 ED.) BLUE FORM E TOTAL READING | | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING | |
|--|--|-----------|---|-----------|---|-----------|--|-----------|---|-----------|---|-----------|
| | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE |
| 65 | 59 | 52 | 59 | 76 | 38 | 53 | 53 | 56 | 56 | 56 | | |
| 64 | 57 | 75 | 38 | 75 | 38 | 52 | 52 | 55 | 55 | 55 | | |
| 63 | 56 | 75 | 37 | 75 | 37 | 51 | 51 | 54 | 54 | 54 | | |
| 62 | 55 | 74 | 37 | 74 | 37 | 50 | 50 | 53 | 53 | 53 | | |
| 61 | 54 | 73 | 36 | 73 | 36 | 49 | 49 | 52 | 52 | 52 | | |
| 60 | 53 | 73 | 36 | 73 | 36 | 48 | 48 | 51 | 51 | 51 | | |
| 59 | 53 | 71 | 35 | 71 | 35 | 46 | 46 | 50 | 50 | 50 | | |
| 58 | 52 | 70 | 35 | 70 | 35 | 46 | 46 | 50 | 50 | 50 | | |
| 57 | 51 | 70 | 34 | 70 | 34 | 45 | 45 | 49 | 49 | 49 | | |
| 56 | 50 | 69 | 34 | 69 | 34 | 44 | 44 | 48 | 48 | 48 | | |
| 55 | 50 | 68 | 33 | 68 | 33 | 43 | 43 | 47 | 47 | 47 | | |
| 54 | 49 | 67 | 33 | 67 | 33 | 42 | 42 | 47 | 47 | 47 | | |
| 53 | 48 | 66 | 32 | 66 | 32 | 41 | 41 | 46 | 46 | 46 | | |
| 52 | 47 | 65 | 32 | 65 | 32 | 41 | 41 | 45 | 45 | 45 | | |
| 51 | 47 | 64 | 31 | 64 | 31 | 40 | 40 | 44 | 44 | 44 | | |
| 50 | 46 | 64 | 31 | 64 | 31 | 39 | 39 | 44 | 44 | 44 | | |
| 49 | 45 | 63 | 30 | 63 | 30 | 38 | 38 | 43 | 43 | 43 | | |
| 48 | 44 | 62 | 30 | 62 | 30 | 37 | 37 | 42 | 42 | 42 | | |
| 47 | 43 | 61 | 30 | 61 | 30 | 37 | 37 | 41 | 41 | 41 | | |
| 46 | 43 | 60 | 29 | 60 | 29 | 36 | 36 | 41 | 41 | 41 | | |
| 45 | 42 | 59 | 29 | 59 | 29 | 36 | 36 | 40 | 40 | 40 | | |
| 44 | 41 | 58 | 28 | 58 | 28 | 35 | 35 | 39 | 39 | 39 | | |
| 43 | 41 | 57 | 28 | 57 | 28 | 34 | 34 | 38 | 38 | 38 | | |
| 42 | 39 | 56 | 27 | 56 | 27 | 33 | 33 | 38 | 38 | 38 | | |
| 41 | 37 | 55 | 27 | 55 | 27 | 33 | 33 | 37 | 37 | 37 | | |
| 40 | 37 | 53 | 26 | 53 | 26 | 32 | 32 | 36 | 36 | 36 | | |
| 39 | 36 | 52 | 26 | 52 | 26 | 31 | 31 | 35 | 35 | 35 | | |
| 38 | 35 | 51 | 25 | 51 | 25 | 30 | 30 | 34 | 34 | 34 | | |
| 37 | 34 | 49 | 25 | 49 | 25 | 29 | 29 | 33 | 33 | 33 | | |
| 36 | 33 | 47 | 24 | 47 | 24 | 29 | 29 | 32 | 32 | 32 | | |
| 35 | 33 | 46 | 23 | 46 | 23 | 28 | 28 | 31 | 31 | 31 | | |
| 34 | 32 | 44 | 23 | 44 | 23 | 27 | 27 | 31 | 31 | 31 | | |
| 33 | 31 | 42 | 22 | 42 | 22 | 26 | 26 | 30 | 30 | 30 | | |
| 32 | 30 | 40 | 21 | 40 | 21 | 25 | 25 | 29 | 29 | 29 | | |
| 31 | 29 | 38 | 20 | 38 | 20 | 24 | 24 | 28 | 28 | 28 | | |
| 30 | 28 | 36 | 20 | 36 | 20 | 24 | 24 | 27 | 27 | 27 | | |
| 29 | 27 | 34 | 19 | 34 | 19 | 23 | 23 | 26 | 26 | 26 | | |
| 28 | 25 | 32 | 18 | 32 | 18 | 22 | 22 | 25 | 25 | 25 | | |
| 27 | 24 | 30 | 17 | 30 | 17 | 21 | 21 | 24 | 24 | 24 | | |
| 26 | 23 | 28 | 16 | 28 | 16 | 21 | 21 | 24 | 24 | 24 | | |
| 25 | 22 | 26 | 16 | 26 | 16 | 21 | 21 | 24 | 24 | 24 | | |

TABLE 150. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTRS (64 ED.) LEVEL 2 FORM C TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (54 ED.) INTERMEDIATE I FORM W TOTAL READING |
|--|--|---|---|--|---|---|
| | | | | | | |
| 24 | 21 | 26 | 15 | 20 | 21 | 21 |
| 23 | 20 | 24 | 15 | 19 | 20 | 20 |
| 22 | 19 | 23 | 14 | 18 | 19 | 19 |
| 21 | 18 | 22 | 13 | 17 | 18 | 18 |
| 20 | 17 | 20 | 12 | 16 | 17 | 17 |
| 19 | 16 | 19 | 11 | 15 | 16 | 16 |
| 18 | 15 | 18 | 10 | 14 | 15 | 15 |
| 17 | 14 | 17 | 10 | 13 | 14 | 14 |
| 16 | 14 | 16 | 9 | 12 | 13 | 13 |
| 15 | 13 | 15 | 9 | 12 | 12 | 12 |
| 14 | 12 | 15 | 9 | 11 | 11 | 11 |
| 13 | 11 | 14 | 8 | 10 | 10 | 10 |
| 12 | 11 | 13 | 7 | 9 | 9 | 9 |
| 11 | 10 | 12 | 7 | 8 | 8 | 8 |
| 10 | 9 | 12 | 6 | 7 | 7 | 7 |
| 9 | 8 | 11 | 6 | 6 | 6 | 6 |
| 8 | 7 | 10 | 5 | 5 | 5 | 5 |
| 7 | 7 | 9 | 4 | 4 | 4 | 4 |
| 6 | 6 | 9 | 4 | 4 | 4 | 4 |
| 5 | 5 | 8 | 3 | 3 | 3 | 3 |
| 4 | 4 | 7 | 3 | 2 | 2 | 2 |
| 3 | 4 | 6 | 2 | 2 | 2 | 2 |
| 2 | 3 | 6 | 1 | 1 | 1 | 1 |
| 1 | 2 | 5 | 1 | 0 | 0 | 0 |
| 0 | 1 | 4 | 0 | 0 | 0 | 0 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) | | CTBS (69 ED.) | | ITBS (71 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | LEVEL 3 | LEVEL 2 | LEVEL 10 | LEVEL 5 | LEVEL 4 | FORM A | FORM B | FORM C | FORM D | FORM E | FORM M | FORM W |
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 95 | 92 | 85 | 103 | 60 | 90 | 97 | | | | | | |
| 94 | 80 | 83 | 101 | 59 | 87 | 94 | | | | | | |
| 93 | 73 | 81 | 98 | 57 | 85 | 90 | | | | | | |
| 92 | 76 | 79 | 96 | 56 | 84 | 88 | | | | | | |
| 91 | 74 | 78 | 93 | 54 | 82 | 85 | | | | | | |
| 90 | 72 | 76 | 91 | 53 | 80 | 82 | | | | | | |
| 89 | 70 | 74 | 89 | 52 | 77 | 80 | | | | | | |
| 88 | 68 | 73 | 87 | 51 | 75 | 77 | | | | | | |
| 87 | 67 | 71 | 85 | 49 | 73 | 75 | | | | | | |
| 86 | 65 | 70 | 82 | 48 | 71 | 73 | | | | | | |
| 85 | 63 | 69 | 80 | 47 | 69 | 70 | | | | | | |
| 84 | 61 | 67 | 78 | 46 | 67 | 68 | | | | | | |
| 83 | 60 | 66 | 76 | 45 | 65 | 66 | | | | | | |
| 82 | 58 | 64 | 74 | 43 | 63 | 65 | | | | | | |
| 81 | 57 | 63 | 73 | 42 | 61 | 63 | | | | | | |
| 80 | 56 | 62 | 71 | 42 | 59 | 61 | | | | | | |
| 79 | 55 | 61 | 69 | 41 | 57 | 60 | | | | | | |
| 78 | 54 | 60 | 68 | 40 | 56 | 59 | | | | | | |
| 77 | 53 | 59 | 66 | 39 | 54 | 57 | | | | | | |
| 76 | 52 | 58 | 65 | 38 | 53 | 56 | | | | | | |
| 75 | 51 | 56 | 63 | 38 | 52 | 55 | | | | | | |
| 74 | 50 | 55 | 62 | 37 | 50 | 54 | | | | | | |
| 73 | 49 | 55 | 61 | 36 | 49 | 53 | | | | | | |
| 72 | 48 | 54 | 59 | 36 | 48 | 51 | | | | | | |
| 71 | 48 | 53 | 58 | 35 | 46 | 50 | | | | | | |
| 70 | 47 | 52 | 57 | 34 | 45 | 49 | | | | | | |
| 69 | 46 | 51 | 55 | 34 | 44 | 48 | | | | | | |
| 68 | 45 | 50 | 54 | 33 | 43 | 47 | | | | | | |
| 67 | 45 | 49 | 53 | 33 | 42 | 47 | | | | | | |
| 66 | 44 | 48 | 52 | 32 | 41 | 46 | | | | | | |
| 65 | 43 | 47 | 51 | 32 | 40 | 45 | | | | | | |
| 64 | 43 | 46 | 50 | 31 | 39 | 44 | | | | | | |
| 63 | 42 | 45 | 49 | 31 | 39 | 43 | | | | | | |
| 62 | 41 | 45 | 47 | 30 | 38 | 42 | | | | | | |
| 61 | 41 | 44 | 46 | 30 | 37 | 42 | | | | | | |
| 60 | 40 | 43 | 45 | 29 | 36 | 41 | | | | | | |
| 59 | 39 | 42 | 44 | 29 | 36 | 40 | | | | | | |
| 58 | 38 | 41 | 43 | 28 | 35 | 39 | | | | | | |
| 57 | 38 | 40 | 42 | 28 | 34 | 38 | | | | | | |
| 56 | 38 | 40 | 41 | 28 | 34 | 38 | | | | | | |
| 55 | 37 | 39 | 40 | 27 | 33 | 37 | | | | | | |

TABLE 151. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) | | CTBS (68 ED.) | | ITBS (71 ED.) | | STEP-11 (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|---------------|-------------------|---------------|--------------------|---------------|-------------------|---------------|----------------|---------------|--------------------------|---------------|
| | LEVEL 3 FORM A | TOTAL READING | LEVEL 2 FORM A | TOTAL READING | LEVEL 10 FORM 5 | TOTAL READING | LEVEL 4 FORM A | TOTAL READING | BLUE FORM E | TOTAL READING | INTERMEDIATE I FORM M | TOTAL READING |
| 54 | 36 | 38 | 40 | 27 | 32 | 36 | 31 | 34 | 32 | 36 | | |
| 53 | 36 | 37 | 39 | 26 | 32 | 36 | 31 | 34 | 32 | 36 | | |
| 52 | 35 | 37 | 38 | 26 | 31 | 35 | 31 | 34 | 31 | 35 | | |
| 51 | 35 | 36 | 37 | 25 | 31 | 35 | 31 | 34 | 31 | 34 | | |
| 50 | 34 | 35 | 37 | 25 | 30 | 34 | 30 | 34 | 30 | 34 | | |
| 49 | 33 | 34 | 36 | 25 | 29 | 33 | 29 | 33 | 29 | 33 | | |
| 48 | 33 | 34 | 36 | 24 | 29 | 33 | 29 | 33 | 29 | 33 | | |
| 47 | 33 | 33 | 35 | 24 | 29 | 33 | 29 | 32 | 29 | 32 | | |
| 46 | 32 | 33 | 34 | 24 | 28 | 32 | 28 | 32 | 28 | 32 | | |
| 45 | 32 | 32 | 34 | 23 | 28 | 32 | 28 | 31 | 28 | 31 | | |
| 44 | 31 | 31 | 33 | 23 | 27 | 31 | 27 | 31 | 27 | 31 | | |
| 43 | 31 | 31 | 33 | 22 | 27 | 31 | 27 | 30 | 27 | 30 | | |
| 42 | 30 | 30 | 32 | 22 | 26 | 30 | 22 | 30 | 26 | 30 | | |
| 41 | 29 | 29 | 32 | 22 | 26 | 29 | 22 | 29 | 26 | 29 | | |
| 40 | 29 | 29 | 31 | 21 | 26 | 29 | 21 | 29 | 26 | 29 | | |
| 39 | 28 | 28 | 31 | 21 | 25 | 28 | 21 | 28 | 25 | 28 | | |
| 38 | 28 | 29 | 30 | 20 | 25 | 28 | 20 | 28 | 25 | 28 | | |
| 37 | 27 | 27 | 30 | 20 | 24 | 27 | 20 | 27 | 24 | 27 | | |
| 36 | 27 | 27 | 29 | 20 | 24 | 27 | 20 | 27 | 24 | 27 | | |
| 35 | 26 | 26 | 29 | 19 | 24 | 26 | 19 | 26 | 24 | 26 | | |
| 34 | 26 | 25 | 28 | 19 | 23 | 25 | 19 | 26 | 23 | 26 | | |
| 33 | 25 | 25 | 28 | 18 | 23 | 25 | 18 | 25 | 23 | 25 | | |
| 32 | 24 | 24 | 27 | 18 | 22 | 24 | 18 | 24 | 22 | 25 | | |
| 31 | 24 | 24 | 27 | 18 | 22 | 24 | 18 | 24 | 22 | 24 | | |
| 30 | 23 | 23 | 26 | 17 | 22 | 23 | 17 | 24 | 22 | 24 | | |
| 29 | 23 | 23 | 26 | 17 | 21 | 23 | 17 | 23 | 21 | 23 | | |
| 28 | 22 | 22 | 25 | 16 | 21 | 22 | 16 | 22 | 21 | 22 | | |
| 27 | 21 | 21 | 25 | 16 | 21 | 22 | 16 | 22 | 20 | 22 | | |
| 26 | 21 | 21 | 24 | 15 | 20 | 21 | 15 | 21 | 20 | 21 | | |
| 25 | 20 | 20 | 23 | 15 | 20 | 21 | 15 | 21 | 20 | 21 | | |
| 24 | 19 | 20 | 23 | 14 | 20 | 21 | 14 | 20 | 18 | 20 | | |
| 23 | 19 | 19 | 22 | 14 | 19 | 20 | 14 | 19 | 18 | 19 | | |
| 22 | 18 | 18 | 21 | 13 | 19 | 20 | 13 | 18 | 17 | 18 | | |
| 21 | 17 | 18 | 21 | 12 | 18 | 19 | 12 | 17 | 16 | 17 | | |
| 20 | 16 | 17 | 20 | 12 | 18 | 19 | 12 | 17 | 15 | 17 | | |
| 19 | 16 | 16 | 19 | 11 | 18 | 19 | 11 | 15 | 15 | 15 | | |
| 18 | 15 | 15 | 18 | 10 | 18 | 19 | 10 | 14 | 14 | 14 | | |
| 17 | 14 | 14 | 17 | 10 | 17 | 18 | 10 | 13 | 13 | 13 | | |
| 16 | 14 | 13 | 16 | 9 | 16 | 17 | 9 | 12 | 12 | 12 | | |
| 15 | 13 | 13 | 15 | 9 | 15 | 16 | 9 | 11 | 11 | 10 | | |
| 14 | 12 | 12 | 13 | 8 | 13 | 14 | 8 | 10 | 10 | 9 | | |

EQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-[I]) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|---------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 60 | 82 | 85 | 104 | 95 | 90 | 97 |
| 59 | 81 | 84 | 102 | 95 | 88 | 95 |
| 58 | 80 | 82 | 100 | 94 | 87 | 93 |
| 57 | 79 | 81 | 98 | 93 | 86 | 91 |
| 56 | 77 | 80 | 97 | 92 | 84 | 89 |
| 55 | 76 | 79 | 95 | 92 | 83 | 87 |
| 54 | 74 | 77 | 93 | 91 | 81 | 85 |
| 53 | 72 | 76 | 91 | 90 | 80 | 82 |
| 52 | 71 | 75 | 89 | 89 | 78 | 80 |
| 51 | 69 | 73 | 87 | 88 | 76 | 78 |
| 50 | 67 | 72 | 86 | 87 | 74 | 76 |
| 49 | 66 | 71 | 84 | 87 | 73 | 74 |
| 48 | 64 | 70 | 82 | 86 | 71 | 72 |
| 47 | 63 | 69 | 80 | 85 | 69 | 71 |
| 46 | 62 | 67 | 79 | 84 | 67 | 69 |
| 45 | 60 | 66 | 77 | 84 | 66 | 67 |
| 44 | 59 | 65 | 75 | 83 | 64 | 66 |
| 43 | 58 | 64 | 74 | 82 | 62 | 64 |
| 42 | 57 | 63 | 72 | 81 | 60 | 62 |
| 41 | 55 | 61 | 70 | 79 | 58 | 60 |
| 40 | 54 | 60 | 68 | 78 | 56 | 59 |
| 39 | 53 | 59 | 66 | 77 | 54 | 57 |
| 38 | 52 | 57 | 64 | 76 | 52 | 56 |
| 37 | 50 | 56 | 62 | 74 | 50 | 54 |
| 36 | 49 | 54 | 60 | 73 | 48 | 52 |
| 35 | 48 | 53 | 58 | 71 | 46 | 50 |
| 34 | 46 | 51 | 56 | 69 | 45 | 49 |
| 33 | 45 | 49 | 54 | 68 | 43 | 47 |
| 32 | 44 | 48 | 52 | 66 | 41 | 46 |
| 31 | 42 | 46 | 49 | 64 | 39 | 44 |
| 30 | 41 | 44 | 47 | 62 | 37 | 42 |
| 29 | 40 | 42 | 45 | 59 | 36 | 40 |
| 28 | 38 | 40 | 42 | 57 | 34 | 38 |
| 27 | 37 | 39 | 40 | 55 | 33 | 37 |
| 26 | 35 | 37 | 38 | 53 | 31 | 35 |
| 25 | 34 | 35 | 37 | 50 | 30 | 34 |
| 24 | 33 | 33 | 35 | 48 | 29 | 32 |
| 23 | 31 | 32 | 34 | 45 | 28 | 31 |
| 22 | 30 | 30 | 32 | 42 | 27 | 30 |
| 21 | 29 | 29 | 31 | 40 | 26 | 29 |
| 20 | 27 | 27 | 30 | 37 | 25 | 27 |

TABLE 152. ANCHOR TEST EQUATING STUDY: GRADE 4

EQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | | CTRS (68 ED.) LEVEL 2 FORM C TOTAL READING | | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | SRA (71 ED.) BLUE FORM E TOTAL READING | | SAT (64 ED.) INTERMEDIATE I FORM M TOTAL READING | |
|--|--|------------------|---|------------------|--|------------------|---|------------------|---|------------------|---|------------------|
| | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE |
| 19 | 26 | 26 | 29 | 35 | 24 | 26 | 27 | 32 | 21 | 24 | 25 | 26 |
| 18 | 24 | 24 | 27 | 32 | 26 | 27 | 30 | 28 | 19 | 21 | 22 | 25 |
| 17 | 23 | 23 | 26 | 30 | 25 | 24 | 28 | 25 | 18 | 20 | 21 | 24 |
| 16 | 22 | 22 | 25 | 28 | 24 | 20 | 25 | 24 | 17 | 19 | 20 | 22 |
| 15 | 20 | 20 | 24 | 25 | 23 | 19 | 24 | 22 | 16 | 18 | 19 | 21 |
| 14 | 19 | 19 | 23 | 24 | 21 | 18 | 22 | 20 | 15 | 17 | 18 | 20 |
| 13 | 18 | 18 | 21 | 22 | 20 | 17 | 20 | 19 | 14 | 16 | 17 | 19 |
| 12 | 17 | 17 | 20 | 20 | 19 | 16 | 19 | 17 | 13 | 15 | 16 | 18 |
| 11 | 15 | 16 | 19 | 19 | 17 | 15 | 17 | 16 | 12 | 14 | 15 | 17 |
| 10 | 14 | 15 | 17 | 17 | 15 | 13 | 16 | 14 | 11 | 13 | 14 | 16 |
| 9 | 13 | 13 | 15 | 16 | 14 | 12 | 14 | 13 | 10 | 12 | 13 | 15 |
| 8 | 12 | 12 | 13 | 14 | 12 | 10 | 12 | 11 | 9 | 11 | 12 | 14 |
| 7 | 11 | 10 | 12 | 13 | 11 | 9 | 10 | 10 | 8 | 10 | 11 | 13 |
| 6 | 9 | 9 | 10 | 12 | 10 | 8 | 10 | 9 | 7 | 9 | 10 | 12 |
| 5 | 8 | 8 | 8 | 10 | 9 | 7 | 9 | 8 | 6 | 8 | 9 | 11 |
| 4 | 7 | 6 | 6 | 9 | 8 | 6 | 8 | 7 | 5 | 7 | 8 | 10 |
| 3 | 6 | 5 | 5 | 8 | 7 | 5 | 7 | 6 | 4 | 6 | 7 | 9 |
| 2 | 4 | 4 | 3 | 6 | 6 | 4 | 6 | 5 | 3 | 5 | 6 | 8 |
| 1 | 3 | 2 | 1 | 5 | 5 | 3 | 5 | 4 | 2 | 4 | 5 | 7 |
| 0 | 2 | 1 | 0 | 4 | 4 | 2 | 4 | 3 | 1 | 3 | 4 | 6 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | | CTBS (68 ED.) LEVEL 2 FORM C TOTAL READING | | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING | |
|---|--|------------------|---|------------------|--|------------------|---|------------------|--|------------------|---|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 90 | 82 | 85 | 104 | 95 | 60 | 98 | | | | | | |
| 89 | 81 | 84 | 103 | 95 | 59 | 96 | | | | | | |
| 89 | 80 | 83 | 101 | 94 | 59 | 95 | | | | | | |
| 87 | 80 | 82 | 100 | 94 | 58 | 93 | | | | | | |
| 86 | 79 | 81 | 99 | 93 | 57 | 92 | | | | | | |
| 85 | 78 | 81 | 98 | 93 | 57 | 90 | | | | | | |
| 84 | 77 | 80 | 96 | 92 | 55 | 89 | | | | | | |
| 83 | 76 | 79 | 95 | 92 | 55 | 87 | | | | | | |
| 82 | 75 | 78 | 94 | 91 | 54 | 86 | | | | | | |
| 81 | 74 | 77 | 93 | 91 | 54 | 84 | | | | | | |
| 80 | 73 | 76 | 92 | 90 | 53 | 83 | | | | | | |
| 79 | 72 | 75 | 91 | 90 | 53 | 81 | | | | | | |
| 78 | 71 | 74 | 89 | 89 | 52 | 80 | | | | | | |
| 77 | 70 | 73 | 88 | 89 | 52 | 79 | | | | | | |
| 76 | 69 | 72 | 87 | 88 | 51 | 78 | | | | | | |
| 75 | 68 | 71 | 86 | 88 | 50 | 77 | | | | | | |
| 74 | 67 | 70 | 85 | 87 | 50 | 76 | | | | | | |
| 73 | 66 | 69 | 84 | 87 | 49 | 75 | | | | | | |
| 72 | 65 | 68 | 83 | 86 | 49 | 74 | | | | | | |
| 71 | 64 | 67 | 82 | 86 | 48 | 73 | | | | | | |
| 70 | 63 | 66 | 81 | 86 | 48 | 71 | | | | | | |
| 69 | 62 | 65 | 80 | 85 | 47 | 70 | | | | | | |
| 68 | 61 | 64 | 79 | 85 | 46 | 69 | | | | | | |
| 67 | 60 | 63 | 78 | 84 | 46 | 68 | | | | | | |
| 66 | 59 | 62 | 77 | 84 | 45 | 67 | | | | | | |
| 65 | 58 | 61 | 76 | 83 | 45 | 67 | | | | | | |
| 64 | 57 | 60 | 75 | 83 | 44 | 66 | | | | | | |
| 63 | 56 | 59 | 74 | 82 | 44 | 65 | | | | | | |
| 62 | 55 | 58 | 73 | 82 | 43 | 64 | | | | | | |
| 61 | 54 | 57 | 72 | 81 | 42 | 63 | | | | | | |
| 60 | 53 | 56 | 71 | 81 | 42 | 62 | | | | | | |
| 59 | 52 | 55 | 70 | 80 | 41 | 61 | | | | | | |
| 58 | 51 | 54 | 69 | 79 | 41 | 60 | | | | | | |
| 57 | 50 | 53 | 68 | 79 | 40 | 59 | | | | | | |
| 56 | 49 | 52 | 67 | 78 | 40 | 59 | | | | | | |
| 55 | 48 | 51 | 66 | 77 | 39 | 58 | | | | | | |
| 54 | 47 | 50 | 65 | 77 | 39 | 57 | | | | | | |
| 53 | 46 | 49 | 64 | 76 | 38 | 56 | | | | | | |
| 52 | 45 | 48 | 63 | 75 | 38 | 55 | | | | | | |
| 51 | 44 | 47 | 62 | 75 | 37 | 55 | | | | | | |
| 50 | 43 | 46 | 61 | 74 | 37 | 54 | | | | | | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM Q | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SAT (64 ED.) INTERMEDIATE I FORM M |
|--------------------------------|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 49 | 45 | 55 | 61 | 73 | 36 | 53 |
| 48 | 54 | 60 | 72 | 72 | 36 | 52 |
| 47 | 48 | 59 | 59 | 72 | 35 | 51 |
| 46 | 47 | 52 | 58 | 71 | 35 | 50 |
| 45 | 47 | 51 | 56 | 70 | 34 | 49 |
| 44 | 46 | 51 | 55 | 69 | 34 | 48 |
| 43 | 45 | 50 | 54 | 68 | 33 | 47 |
| 42 | 44 | 49 | 53 | 67 | 33 | 46 |
| 41 | 44 | 48 | 52 | 66 | 32 | 46 |
| 40 | 43 | 47 | 50 | 65 | 31 | 45 |
| 39 | 42 | 46 | 49 | 64 | 31 | 44 |
| 38 | 42 | 45 | 48 | 62 | 30 | 43 |
| 37 | 41 | 44 | 46 | 61 | 30 | 42 |
| 36 | 40 | 42 | 45 | 60 | 29 | 40 |
| 35 | 39 | 41 | 43 | 58 | 29 | 39 |
| 34 | 38 | 40 | 42 | 57 | 28 | 38 |
| 33 | 37 | 39 | 41 | 55 | 27 | 37 |
| 32 | 36 | 38 | 39 | 54 | 26 | 36 |
| 31 | 35 | 36 | 38 | 52 | 26 | 35 |
| 30 | 34 | 35 | 37 | 50 | 25 | 34 |
| 29 | 33 | 34 | 36 | 48 | 24 | 33 |
| 28 | 32 | 32 | 34 | 46 | 23 | 32 |
| 27 | 31 | 31 | 33 | 44 | 23 | 30 |
| 26 | 29 | 29 | 32 | 41 | 22 | 29 |
| 25 | 28 | 28 | 30 | 39 | 21 | 28 |
| 24 | 27 | 26 | 29 | 36 | 20 | 27 |
| 23 | 25 | 25 | 28 | 34 | 19 | 25 |
| 22 | 24 | 24 | 27 | 31 | 18 | 24 |
| 21 | 23 | 23 | 26 | 29 | 17 | 23 |
| 20 | 21 | 21 | 25 | 27 | 16 | 22 |
| 19 | 20 | 20 | 23 | 25 | 15 | 21 |
| 18 | 19 | 19 | 22 | 23 | 14 | 19 |
| 17 | 18 | 18 | 21 | 22 | 13 | 18 |
| 16 | 17 | 17 | 20 | 21 | 12 | 17 |
| 15 | 16 | 16 | 20 | 20 | 12 | 16 |
| 14 | 15 | 15 | 18 | 18 | 11 | 15 |
| 13 | 14 | 14 | 17 | 17 | 10 | 13 |
| 12 | 14 | 13 | 16 | 16 | 9 | 12 |
| 11 | 13 | 12 | 14 | 15 | 9 | 10 |
| 10 | 12 | 11 | 13 | 14 | 8 | 9 |
| 9 | 11 | 10 | 12 | 13 | 7 | 8 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM C | | ITRS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM B | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 8 | 10 | | 10 | 11 | 12 | | 12 | | 7 | | 7 | 8 |
| 7 | 9 | | 9 | 10 | 11 | | 11 | | 6 | | 6 | 7 |
| 6 | 8 | | 8 | 8 | 10 | | 10 | | 5 | | 5 | 6 |
| 5 | 7 | | 7 | 7 | 9 | | 9 | | 4 | | 4 | 5 |
| 4 | 6 | | 6 | 6 | 9 | | 9 | | 4 | | 4 | 4 |
| 3 | 5 | | 5 | 5 | 8 | | 8 | | 3 | | 3 | 3 |
| 2 | 4 | | 4 | 4 | 7 | | 7 | | 2 | | 2 | 3 |
| 1 | 3 | | 3 | 2 | 6 | | 6 | | 2 | | 2 | 2 |
| 0 | 2 | | 2 | 1 | 5 | | 5 | | 1 | | 1 | 1 |

STANFORD ACHEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) | | CIPS (68 ED.) | | ITBS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | |
|-----------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|----------------------|----------------------|-------------------|-------------------|------------------|------------------|
| | LEVEL 3 FORM A | LEVEL 2 FORM Q | LEVEL 3 FORM Q | LEVEL 2 FORM Q | LEVEL 10 FORM 5 | LEVEL 10 FORM 5 | ELEMENTARY FORM F | ELEMENTARY FORM F | LEVEL 4 FORM A | LEVEL 4 FORM A | BLUE FORM E | BLUE FORM E |
| | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 98 | 82 | 85 | 104 | 95 | 60 | 60 | 90 | 90 | 60 | 60 | 90 | 90 |
| 97 | 82 | 85 | 103 | 95 | 60 | 60 | 90 | 90 | 59 | 59 | 89 | 89 |
| 96 | 81 | 84 | 103 | 95 | 59 | 59 | 89 | 89 | 59 | 59 | 88 | 88 |
| 95 | 81 | 84 | 102 | 94 | 58 | 58 | 88 | 88 | 58 | 58 | 88 | 88 |
| 94 | 80 | 83 | 101 | 94 | 58 | 58 | 87 | 87 | 58 | 58 | 87 | 87 |
| 93 | 80 | 82 | 100 | 94 | 58 | 58 | 87 | 87 | 58 | 58 | 86 | 86 |
| 92 | 79 | 82 | 100 | 94 | 57 | 57 | 86 | 86 | 57 | 57 | 86 | 86 |
| 91 | 78 | 81 | 98 | 93 | 57 | 57 | 85 | 85 | 57 | 57 | 85 | 85 |
| 90 | 78 | 81 | 98 | 93 | 57 | 57 | 85 | 85 | 57 | 57 | 85 | 85 |
| 89 | 77 | 80 | 97 | 93 | 56 | 56 | 84 | 84 | 56 | 56 | 84 | 84 |
| 88 | 77 | 79 | 96 | 92 | 56 | 56 | 84 | 84 | 56 | 56 | 84 | 84 |
| 87 | 76 | 79 | 95 | 92 | 55 | 55 | 83 | 83 | 55 | 55 | 83 | 83 |
| 86 | 75 | 78 | 94 | 91 | 55 | 55 | 82 | 82 | 55 | 55 | 82 | 82 |
| 85 | 74 | 78 | 93 | 91 | 54 | 54 | 82 | 82 | 54 | 54 | 82 | 82 |
| 84 | 74 | 77 | 92 | 91 | 54 | 54 | 81 | 81 | 54 | 54 | 81 | 81 |
| 83 | 73 | 77 | 92 | 90 | 53 | 53 | 80 | 80 | 53 | 53 | 80 | 80 |
| 82 | 72 | 76 | 91 | 90 | 53 | 53 | 79 | 79 | 53 | 53 | 79 | 79 |
| 81 | 71 | 75 | 90 | 90 | 52 | 52 | 79 | 79 | 52 | 52 | 79 | 79 |
| 80 | 71 | 75 | 89 | 89 | 52 | 52 | 78 | 78 | 52 | 52 | 78 | 78 |
| 79 | 70 | 74 | 88 | 88 | 51 | 51 | 77 | 77 | 51 | 51 | 77 | 77 |
| 78 | 69 | 73 | 87 | 88 | 51 | 51 | 76 | 76 | 51 | 51 | 76 | 76 |
| 77 | 68 | 73 | 86 | 88 | 50 | 50 | 75 | 75 | 50 | 50 | 75 | 75 |
| 76 | 67 | 72 | 85 | 87 | 50 | 50 | 74 | 74 | 50 | 50 | 74 | 74 |
| 75 | 67 | 71 | 85 | 87 | 49 | 49 | 73 | 73 | 49 | 49 | 73 | 73 |
| 74 | 66 | 71 | 84 | 87 | 49 | 49 | 72 | 72 | 49 | 49 | 72 | 72 |
| 73 | 65 | 70 | 83 | 86 | 48 | 48 | 72 | 72 | 48 | 48 | 72 | 72 |
| 72 | 64 | 70 | 82 | 85 | 48 | 48 | 71 | 71 | 48 | 48 | 71 | 71 |
| 71 | 63 | 69 | 81 | 85 | 47 | 47 | 70 | 70 | 47 | 47 | 70 | 70 |
| 70 | 63 | 68 | 80 | 85 | 47 | 47 | 69 | 69 | 47 | 47 | 69 | 69 |
| 69 | 62 | 68 | 79 | 84 | 46 | 46 | 68 | 68 | 46 | 46 | 68 | 68 |
| 68 | 61 | 67 | 78 | 84 | 46 | 46 | 67 | 67 | 46 | 46 | 67 | 67 |
| 67 | 60 | 66 | 77 | 83 | 45 | 45 | 66 | 66 | 45 | 45 | 66 | 66 |
| 66 | 60 | 66 | 76 | 83 | 44 | 44 | 65 | 65 | 44 | 44 | 65 | 65 |
| 65 | 59 | 65 | 75 | 82 | 44 | 44 | 63 | 63 | 44 | 44 | 63 | 63 |
| 64 | 58 | 64 | 74 | 82 | 43 | 43 | 62 | 62 | 43 | 43 | 62 | 62 |
| 63 | 57 | 63 | 73 | 81 | 43 | 43 | 61 | 61 | 43 | 43 | 61 | 61 |
| 62 | 57 | 63 | 72 | 81 | 42 | 42 | 60 | 60 | 42 | 42 | 60 | 60 |
| 61 | 55 | 62 | 71 | 80 | 41 | 41 | 59 | 59 | 41 | 41 | 59 | 59 |
| 60 | 55 | 61 | 70 | 79 | 41 | 41 | 58 | 58 | 41 | 41 | 58 | 58 |
| 59 | 54 | 60 | 68 | 78 | 40 | 40 | 57 | 57 | 40 | 40 | 57 | 57 |
| 58 | 54 | 59 | 67 | 78 | 40 | 40 | 55 | 55 | 40 | 40 | 55 | 55 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITRS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | EQUIVALENT SCORE | | EQUIVALENT SCORE | |
|--|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|------------------|---------------|------------------|---------------|
| | | | | | | | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| 57 | 53 | 58 | 66 | 77 | 39 | 54 | | | | |
| 56 | 52 | 58 | 65 | 76 | 38 | 53 | | | | |
| 55 | 51 | 57 | 64 | 75 | 38 | 52 | | | | |
| 54 | 50 | 56 | 62 | 74 | 37 | 50 | | | | |
| 53 | 50 | 55 | 61 | 73 | 37 | 49 | | | | |
| 52 | 49 | 54 | 60 | 73 | 36 | 48 | | | | |
| 51 | 48 | 53 | 59 | 72 | 35 | 47 | | | | |
| 50 | 47 | 52 | 58 | 71 | 35 | 46 | | | | |
| 49 | 47 | 51 | 56 | 70 | 34 | 45 | | | | |
| 48 | 46 | 50 | 55 | 69 | 34 | 44 | | | | |
| 47 | 45 | 49 | 54 | 68 | 33 | 43 | | | | |
| 46 | 44 | 48 | 52 | 66 | 32 | 42 | | | | |
| 45 | 43 | 47 | 51 | 65 | 32 | 40 | | | | |
| 44 | 43 | 46 | 50 | 64 | 31 | 39 | | | | |
| 43 | 42 | 45 | 48 | 63 | 31 | 38 | | | | |
| 42 | 41 | 44 | 47 | 62 | 30 | 37 | | | | |
| 41 | 40 | 43 | 46 | 60 | 30 | 37 | | | | |
| 40 | 40 | 42 | 44 | 59 | 29 | 36 | | | | |
| 39 | 39 | 41 | 43 | 58 | 28 | 35 | | | | |
| 38 | 38 | 40 | 42 | 56 | 28 | 34 | | | | |
| 37 | 37 | 39 | 40 | 55 | 27 | 33 | | | | |
| 36 | 36 | 38 | 39 | 54 | 27 | 32 | | | | |
| 35 | 35 | 36 | 38 | 52 | 26 | 31 | | | | |
| 34 | 34 | 35 | 37 | 50 | 25 | 30 | | | | |
| 33 | 33 | 34 | 36 | 49 | 24 | 29 | | | | |
| 32 | 32 | 33 | 35 | 47 | 24 | 28 | | | | |
| 31 | 31 | 32 | 34 | 45 | 23 | 28 | | | | |
| 30 | 30 | 31 | 33 | 43 | 22 | 27 | | | | |
| 29 | 29 | 29 | 31 | 41 | 21 | 26 | | | | |
| 28 | 28 | 28 | 30 | 39 | 21 | 25 | | | | |
| 27 | 27 | 27 | 30 | 37 | 20 | 24 | | | | |
| 26 | 26 | 26 | 29 | 35 | 19 | 24 | | | | |
| 25 | 25 | 25 | 28 | 33 | 18 | 23 | | | | |
| 24 | 24 | 24 | 27 | 31 | 17 | 22 | | | | |
| 23 | 23 | 23 | 26 | 29 | 17 | 21 | | | | |
| 22 | 21 | 22 | 25 | 27 | 16 | 20 | | | | |
| 21 | 21 | 21 | 24 | 26 | 15 | 19 | | | | |
| 20 | 19 | 20 | 23 | 24 | 14 | 19 | | | | |
| 19 | 18 | 19 | 22 | 23 | 14 | 18 | | | | |
| 18 | 18 | 18 | 21 | 22 | 13 | 17 | | | | |
| 17 | 17 | 17 | 20 | 21 | 12 | 16 | | | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

PROCEDURE 3, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|--|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 16 | 14 | 17 | 20 | 20 | 19 | 19 | 12 | 12 | 15 | 15 | | |
| 15 | 15 | 16 | 19 | 19 | 18 | 18 | 11 | 11 | 14 | 14 | | |
| 14 | 15 | 15 | 18 | 18 | 17 | 17 | 10 | 10 | 13 | 13 | | |
| 13 | 14 | 14 | 17 | 17 | 16 | 16 | 9 | 9 | 12 | 12 | | |
| 12 | 14 | 14 | 16 | 16 | 15 | 15 | 8 | 8 | 11 | 11 | | |
| 11 | 13 | 13 | 15 | 15 | 14 | 14 | 7 | 7 | 10 | 10 | | |
| 10 | 13 | 12 | 14 | 14 | 13 | 13 | 6 | 6 | 9 | 9 | | |
| 9 | 12 | 11 | 13 | 13 | 12 | 12 | 5 | 5 | 8 | 8 | | |
| 8 | 11 | 10 | 11 | 11 | 10 | 10 | 4 | 4 | 7 | 7 | | |
| 7 | 10 | 9 | 10 | 10 | 9 | 9 | 3 | 3 | 6 | 6 | | |
| 6 | 8 | 8 | 9 | 9 | 8 | 8 | 2 | 2 | 5 | 5 | | |
| 5 | 7 | 7 | 7 | 7 | 6 | 6 | 1 | 1 | 4 | 4 | | |
| 4 | 6 | 6 | 6 | 6 | 5 | 5 | 0 | 0 | 3 | 3 | | |
| 3 | 5 | 4 | 4 | 4 | 4 | 4 | 0 | 0 | 2 | 2 | | |
| 2 | 4 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 1 | 1 | | |
| 1 | 3 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | | |
| 0 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, L-NEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTBS (68 ED.) LEVEL 2 FORM C TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-11 (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|--|---|--|---|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 82 | 92 | 106 | 116 | 61 | 92 | 94 |
| 81 | 91 | 105 | 115 | 60 | 91 | 93 |
| 80 | 90 | 104 | 113 | 59 | 89 | 92 |
| 79 | 89 | 103 | 112 | 59 | 88 | 91 |
| 78 | 88 | 101 | 111 | 58 | 87 | 89 |
| 77 | 87 | 99 | 109 | 57 | 86 | 88 |
| 76 | 86 | 98 | 108 | 56 | 85 | 87 |
| 75 | 84 | 97 | 107 | 56 | 83 | 86 |
| 74 | 83 | 95 | 105 | 55 | 82 | 85 |
| 73 | 82 | 94 | 104 | 54 | 81 | 84 |
| 72 | 81 | 93 | 102 | 53 | 80 | 82 |
| 71 | 80 | 91 | 101 | 53 | 79 | 81 |
| 70 | 79 | 90 | 100 | 52 | 78 | 80 |
| 69 | 78 | 88 | 98 | 51 | 76 | 79 |
| 68 | 76 | 87 | 97 | 50 | 75 | 78 |
| 67 | 75 | 86 | 96 | 50 | 74 | 76 |
| 66 | 74 | 84 | 94 | 49 | 73 | 75 |
| 65 | 73 | 83 | 93 | 48 | 72 | 74 |
| 64 | 72 | 82 | 92 | 47 | 70 | 73 |
| 63 | 71 | 80 | 90 | 47 | 69 | 72 |
| 62 | 70 | 79 | 89 | 46 | 68 | 70 |
| 61 | 69 | 77 | 87 | 45 | 67 | 69 |
| 60 | 67 | 76 | 86 | 44 | 66 | 68 |
| 59 | 65 | 75 | 85 | 44 | 65 | 67 |
| 58 | 65 | 73 | 83 | 43 | 63 | 65 |
| 57 | 64 | 72 | 82 | 42 | 62 | 64 |
| 56 | 63 | 71 | 81 | 41 | 61 | 63 |
| 55 | 62 | 69 | 79 | 41 | 60 | 62 |
| 54 | 61 | 68 | 78 | 40 | 59 | 61 |
| 53 | 60 | 66 | 76 | 39 | 57 | 60 |
| 52 | 58 | 65 | 75 | 38 | 56 | 59 |
| 51 | 57 | 64 | 74 | 38 | 55 | 57 |
| 50 | 56 | 62 | 72 | 37 | 54 | 56 |
| 49 | 55 | 61 | 71 | 36 | 53 | 55 |
| 48 | 54 | 60 | 70 | 36 | 52 | 54 |
| 47 | 53 | 58 | 68 | 35 | 50 | 53 |
| 46 | 52 | 57 | 67 | 34 | 49 | 51 |
| 45 | 50 | 55 | 66 | 33 | 48 | 50 |
| 44 | 49 | 54 | 64 | 32 | 47 | 49 |
| 43 | 48 | 53 | 63 | 32 | 46 | 48 |
| 42 | 47 | 51 | 61 | 31 | 44 | 47 |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| CAT (70 ED.) LEVEL 3 FORM A | CYHS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-11 (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 41 | 50 | 60 | 30 | 43 | 45 | |
| 40 | 48 | 59 | 29 | 42 | 44 | |
| 39 | 44 | 57 | 29 | 41 | 43 | |
| 38 | 46 | 56 | 28 | 40 | 42 | |
| 37 | 44 | 55 | 27 | 39 | 41 | |
| 36 | 43 | 53 | 26 | 37 | 39 | |
| 35 | 42 | 52 | 26 | 36 | 38 | |
| 34 | 40 | 51 | 25 | 35 | 37 | |
| 33 | 39 | 49 | 24 | 34 | 36 | |
| 32 | 37 | 48 | 24 | 33 | 35 | |
| 31 | 36 | 46 | 23 | 31 | 33 | |
| 30 | 35 | 45 | 22 | 30 | 32 | |
| 29 | 33 | 44 | 21 | 29 | 31 | |
| 28 | 32 | 42 | 21 | 28 | 30 | |
| 27 | 31 | 41 | 20 | 27 | 29 | |
| 26 | 29 | 40 | 19 | 26 | 28 | |
| 25 | 28 | 38 | 18 | 24 | 26 | |
| 24 | 26 | 37 | 18 | 23 | 25 | |
| 23 | 26 | 35 | 17 | 22 | 24 | |
| 22 | 24 | 34 | 16 | 21 | 23 | |
| 21 | 22 | 33 | 15 | 20 | 22 | |
| 20 | 21 | 31 | 15 | 18 | 20 | |
| 19 | 20 | 30 | 14 | 17 | 19 | |
| 18 | 18 | 29 | 13 | 16 | 18 | |
| 17 | 17 | 27 | 12 | 15 | 17 | |
| 16 | 15 | 26 | 12 | 14 | 16 | |
| 15 | 14 | 25 | 11 | 13 | 14 | |
| 14 | 13 | 23 | 10 | 11 | 13 | |
| 13 | 11 | 22 | 9 | 10 | 12 | |
| 12 | 10 | 20 | 9 | 9 | 11 | |
| 11 | 8 | 19 | 8 | 8 | 10 | |
| 10 | 7 | 18 | 7 | 7 | 9 | |
| 9 | 6 | 16 | 6 | 5 | 7 | |
| 8 | 4 | 15 | 6 | 4 | 6 | |
| 7 | 3 | 14 | 5 | 3 | 5 | |
| 6 | 2 | 12 | 4 | 2 | 4 | |
| 5 | 0 | 11 | 3 | 1 | 3 | |
| 4 | 1 | 10 | 3 | 0 | 1 | |
| 3 | 3 | 8 | 2 | 2 | 0 | |
| 2 | 4 | 7 | 1 | 3 | 1 | |
| 1 | 5 | 5 | 0 | 4 | 2 | |

TABLE 155. ANCHOR TEST EQUATING STUDY: GRADE 4
 CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

| AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD | | | | | | | | | | | | | |
|--|------------------|---------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|----------------|------------------|
| CAT (70 ED.) | | CTBS (68 ED.) | | ITBS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
| LEVEL 3 | FORM A | LEVEL 2 | FORM Q | LEVEL 10 | FORM 5 | ELEMENTARY | FORM F | LEVEL 4 | FORM A | BLUE | FORM E | INTERMEDIATE I | FORM W |
| TOTAL READING | | TOTAL READING | | TOTAL READING | | TOTAL READING | | TOTAL READING | | TOTAL READING | | TOTAL READING | |
| RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE |
| 0 | | 0 | | - 7 | | 4 | | 0 | | - 5 | | - 3 | |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | ITBS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|----------------|----------------|--------------------------|---------------|
| | LEVEL 2 FORM C | LEVEL 3 FORM A | LEVEL 10 FORM 5 | LEVEL 10 FORM F | LEVEL 4 FORM F | LEVEL 4 FORM A | LEVEL 4 FORM F | LEVEL 4 FORM A | BLUE FORM E | BLUE FORM E | INTERMEDIATE 1 FORM W | TOTAL READING |
| | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| 95 | 76 | 98 | 107 | 56 | 84 | 87 | | | | | | |
| 84 | 75 | 106 | 55 | 83 | 86 | 85 | | | | | | |
| 83 | 74 | 105 | 82 | 85 | 85 | 85 | | | | | | |
| 82 | 73 | 104 | 81 | 84 | 84 | 83 | | | | | | |
| 81 | 72 | 103 | 80 | 83 | 83 | 82 | | | | | | |
| 80 | 71 | 101 | 79 | 82 | 82 | 81 | | | | | | |
| 79 | 70 | 100 | 78 | 81 | 81 | 80 | | | | | | |
| 78 | 69 | 99 | 77 | 80 | 80 | 79 | | | | | | |
| 77 | 68 | 98 | 76 | 79 | 79 | 78 | | | | | | |
| 76 | 67 | 97 | 75 | 78 | 78 | 77 | | | | | | |
| 75 | 66 | 95 | 74 | 77 | 77 | 76 | | | | | | |
| 74 | 66 | 94 | 73 | 76 | 76 | 75 | | | | | | |
| 73 | 65 | 93 | 72 | 75 | 75 | 74 | | | | | | |
| 72 | 64 | 92 | 71 | 74 | 74 | 73 | | | | | | |
| 71 | 63 | 90 | 70 | 73 | 73 | 72 | | | | | | |
| 70 | 62 | 89 | 69 | 72 | 72 | 71 | | | | | | |
| 69 | 62 | 88 | 68 | 71 | 71 | 70 | | | | | | |
| 68 | 61 | 87 | 67 | 70 | 70 | 69 | | | | | | |
| 67 | 60 | 86 | 66 | 69 | 69 | 68 | | | | | | |
| 66 | 59 | 84 | 65 | 68 | 68 | 67 | | | | | | |
| 65 | 58 | 83 | 64 | 67 | 67 | 66 | | | | | | |
| 64 | 57 | 82 | 63 | 66 | 66 | 64 | | | | | | |
| 63 | 56 | 81 | 62 | 65 | 65 | 63 | | | | | | |
| 62 | 55 | 80 | 61 | 64 | 64 | 62 | | | | | | |
| 61 | 54 | 78 | 60 | 63 | 63 | 61 | | | | | | |
| 60 | 54 | 77 | 59 | 62 | 62 | 60 | | | | | | |
| 59 | 53 | 76 | 58 | 61 | 61 | 59 | | | | | | |
| 58 | 52 | 75 | 57 | 60 | 60 | 58 | | | | | | |
| 57 | 51 | 74 | 56 | 59 | 59 | 57 | | | | | | |
| 56 | 50 | 72 | 55 | 58 | 58 | 56 | | | | | | |
| 55 | 49 | 71 | 54 | 57 | 57 | 55 | | | | | | |
| 54 | 48 | 70 | 53 | 56 | 56 | 54 | | | | | | |
| 53 | 47 | 69 | 52 | 55 | 55 | 53 | | | | | | |
| 52 | 46 | 68 | 51 | 54 | 54 | 52 | | | | | | |
| 51 | 46 | 66 | 50 | 53 | 53 | 51 | | | | | | |
| 50 | 45 | 65 | 49 | 52 | 52 | 50 | | | | | | |
| 49 | 44 | 64 | 48 | 51 | 51 | 49 | | | | | | |
| 48 | 43 | 63 | 47 | 50 | 50 | 48 | | | | | | |
| 47 | 42 | 61 | 46 | 49 | 49 | 47 | | | | | | |
| 46 | 41 | 60 | 45 | 48 | 48 | 46 | | | | | | |
| 45 | 40 | 59 | 44 | 47 | 47 | 45 | | | | | | |

TABLE 156. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 44 | 37 | 48 | 58 | 29 | 29 | 41 | 29 | 41 | 41 | 43 | | |
| 43 | 39 | 46 | 57 | 28 | 28 | 40 | 28 | 40 | 40 | 42 | | |
| 42 | 38 | 45 | 55 | 28 | 28 | 39 | 28 | 39 | 39 | 41 | | |
| 41 | 37 | 44 | 54 | 27 | 27 | 38 | 27 | 38 | 38 | 40 | | |
| 40 | 36 | 43 | 53 | 26 | 26 | 37 | 26 | 37 | 37 | 39 | | |
| 39 | 35 | 41 | 52 | 26 | 26 | 36 | 26 | 36 | 36 | 38 | | |
| 38 | 34 | 40 | 51 | 25 | 25 | 35 | 25 | 35 | 35 | 37 | | |
| 37 | 33 | 39 | 49 | 24 | 24 | 34 | 24 | 34 | 34 | 36 | | |
| 36 | 32 | 38 | 48 | 24 | 24 | 33 | 24 | 33 | 33 | 35 | | |
| 35 | 31 | 37 | 47 | 23 | 23 | 32 | 23 | 32 | 32 | 34 | | |
| 34 | 31 | 35 | 46 | 22 | 22 | 31 | 22 | 31 | 31 | 33 | | |
| 33 | 30 | 34 | 45 | 22 | 22 | 30 | 22 | 30 | 30 | 32 | | |
| 32 | 29 | 33 | 43 | 21 | 21 | 29 | 21 | 29 | 29 | 31 | | |
| 31 | 28 | 32 | 42 | 20 | 20 | 28 | 20 | 28 | 28 | 30 | | |
| 30 | 27 | 30 | 41 | 20 | 20 | 27 | 20 | 27 | 27 | 29 | | |
| 29 | 26 | 29 | 40 | 19 | 19 | 26 | 19 | 26 | 26 | 28 | | |
| 28 | 25 | 28 | 39 | 18 | 18 | 25 | 18 | 25 | 25 | 27 | | |
| 27 | 24 | 27 | 37 | 18 | 18 | 24 | 18 | 24 | 24 | 26 | | |
| 26 | 24 | 26 | 36 | 17 | 17 | 23 | 17 | 23 | 23 | 25 | | |
| 25 | 23 | 24 | 35 | 16 | 16 | 22 | 16 | 22 | 22 | 24 | | |
| 24 | 22 | 23 | 34 | 16 | 16 | 21 | 16 | 21 | 21 | 23 | | |
| 23 | 21 | 22 | 32 | 15 | 15 | 20 | 15 | 20 | 20 | 22 | | |
| 22 | 20 | 21 | 31 | 14 | 14 | 19 | 14 | 19 | 19 | 21 | | |
| 21 | 19 | 20 | 30 | 14 | 14 | 18 | 14 | 18 | 18 | 20 | | |
| 20 | 18 | 18 | 29 | 13 | 13 | 17 | 13 | 17 | 17 | 19 | | |
| 19 | 17 | 17 | 28 | 12 | 12 | 16 | 12 | 16 | 16 | 18 | | |
| 18 | 16 | 16 | 26 | 12 | 12 | 15 | 12 | 15 | 15 | 17 | | |
| 17 | 15 | 15 | 25 | 11 | 11 | 14 | 11 | 14 | 14 | 16 | | |
| 16 | 14 | 13 | 24 | 10 | 10 | 13 | 10 | 13 | 13 | 15 | | |
| 15 | 13 | 12 | 23 | 10 | 10 | 12 | 9 | 12 | 12 | 14 | | |
| 14 | 12 | 11 | 22 | 9 | 9 | 11 | 9 | 11 | 11 | 13 | | |
| 13 | 10 | 10 | 20 | 8 | 8 | 10 | 8 | 10 | 10 | 12 | | |
| 12 | 9 | 9 | 19 | 8 | 8 | 9 | 8 | 9 | 9 | 11 | | |
| 11 | 7 | 7 | 18 | 7 | 7 | 8 | 7 | 8 | 8 | 10 | | |
| 10 | 6 | 6 | 17 | 6 | 6 | 7 | 6 | 7 | 7 | 9 | | |
| 9 | 5 | 5 | 16 | 5 | 5 | 6 | 5 | 6 | 6 | 8 | | |
| 8 | 4 | 4 | 14 | 4 | 4 | 5 | 4 | 5 | 5 | 7 | | |
| 7 | 3 | 3 | 13 | 3 | 3 | 4 | 3 | 4 | 4 | 6 | | |
| 6 | 2 | 2 | 12 | 2 | 2 | 3 | 2 | 3 | 3 | 5 | | |
| 5 | 1 | 1 | 11 | 1 | 1 | 2 | 1 | 2 | 2 | 4 | | |
| 4 | 0 | 0 | 10 | 0 | 0 | 1 | 0 | 1 | 1 | 3 | | |
| 3 | -1 | -1 | 9 | 0 | 0 | 0 | -1 | 0 | 0 | 2 | | |
| 2 | -1 | -1 | 8 | -1 | -1 | -1 | -1 | -1 | -1 | 1 | | |

TABLE 156. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| CTBS (68 ED.) | | CAT (70 ED.) | | ITBS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|----------------|------------------|
| LEVEL 2 | | LEVEL 3 | | LEVEL 10 | | ELEMENTARY | | LEVEL 4 | | BLUE | | INTERMEDIATE I | |
| FORM Q | | FORM A | | FORM 5 | | FORM F | | FORM A | | FORM E | | FORM W | |
| RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE |
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| 3 | 2 | 3 | 2 | - 2 | 8 | 2 | 2 | - 2 | - 2 | - 2 | 0 | - 1 | 0 |
| 2 | 1 | 2 | 1 | - 4 | 7 | 1 | 1 | - 3 | - 3 | - 3 | - 1 | - 1 | - 1 |
| 1 | 0 | 1 | 0 | - 5 | 6 | 0 | 0 | - 4 | - 4 | - 4 | - 2 | - 2 | - 2 |
| 0 | 0 | 1 | 0 | - 6 | 5 | 0 | 0 | - 5 | - 5 | - 5 | - 3 | - 3 | - 3 |

104A TEST OF BASIC SKILLS (11BS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) | | CTBS (68 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|------------------|-------------------|-------------------|-------------------|-------------------|----------------------|----------------------|-------------------|-------------------|------------------|------------------|--------------------------|--------------------------|
| | LEVEL 3 FORM A | LEVEL 2 FORM C | LEVEL 2 FORM C | LEVEL 2 FORM C | ELEMENTARY FORM F | ELEMENTARY FORM F | LEVEL 4 FORM A | LEVEL 4 FORM A | BLUE FORM E | BLUE FORM E | INTERMEDIATE I FORM M | INTERMEDIATE I FORM M |
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 106 | 82 | 92 | 116 | 61 | 91 | 91 | 91 | 91 | 91 | 91 | 94 | |
| 105 | 81 | 91 | 115 | 60 | 90 | 90 | 90 | 90 | 90 | 90 | 93 | |
| 104 | 80 | 90 | 114 | 60 | 89 | 89 | 89 | 89 | 89 | 89 | 92 | |
| 103 | 80 | 90 | 113 | 59 | 88 | 88 | 88 | 88 | 88 | 88 | 91 | |
| 102 | 79 | 89 | 112 | 59 | 87 | 87 | 87 | 87 | 87 | 87 | 91 | |
| 101 | 78 | 88 | 111 | 58 | 86 | 86 | 86 | 86 | 86 | 86 | 90 | |
| 100 | 78 | 87 | 110 | 57 | 85 | 85 | 85 | 85 | 85 | 85 | 89 | |
| 99 | 77 | 86 | 109 | 57 | 84 | 84 | 84 | 84 | 84 | 84 | 88 | |
| 98 | 76 | 86 | 108 | 56 | 83 | 83 | 83 | 83 | 83 | 83 | 87 | |
| 97 | 75 | 85 | 107 | 56 | 82 | 82 | 82 | 82 | 82 | 82 | 87 | |
| 96 | 75 | 84 | 106 | 55 | 81 | 81 | 81 | 81 | 81 | 81 | 86 | |
| 95 | 74 | 83 | 105 | 55 | 80 | 80 | 80 | 80 | 80 | 80 | 85 | |
| 94 | 73 | 82 | 104 | 54 | 79 | 79 | 79 | 79 | 79 | 79 | 85 | |
| 93 | 72 | 81 | 103 | 54 | 78 | 78 | 78 | 78 | 78 | 78 | 84 | |
| 92 | 72 | 81 | 102 | 53 | 77 | 77 | 77 | 77 | 77 | 77 | 84 | |
| 91 | 71 | 80 | 101 | 53 | 76 | 76 | 76 | 76 | 76 | 76 | 83 | |
| 90 | 70 | 79 | 100 | 52 | 75 | 75 | 75 | 75 | 75 | 75 | 82 | |
| 89 | 70 | 78 | 99 | 52 | 74 | 74 | 74 | 74 | 74 | 74 | 81 | |
| 88 | 69 | 77 | 98 | 51 | 73 | 73 | 73 | 73 | 73 | 73 | 80 | |
| 87 | 68 | 76 | 97 | 50 | 72 | 72 | 72 | 72 | 72 | 72 | 79 | |
| 86 | 67 | 76 | 96 | 50 | 71 | 71 | 71 | 71 | 71 | 71 | 78 | |
| 85 | 67 | 75 | 95 | 49 | 70 | 70 | 70 | 70 | 70 | 70 | 78 | |
| 84 | 66 | 74 | 94 | 49 | 69 | 69 | 69 | 69 | 69 | 69 | 77 | |
| 83 | 65 | 73 | 93 | 48 | 68 | 68 | 68 | 68 | 68 | 68 | 76 | |
| 82 | 64 | 72 | 92 | 48 | 67 | 67 | 67 | 67 | 67 | 67 | 75 | |
| 81 | 64 | 72 | 91 | 47 | 66 | 66 | 66 | 66 | 66 | 66 | 74 | |
| 80 | 63 | 71 | 90 | 47 | 65 | 65 | 65 | 65 | 65 | 65 | 74 | |
| 79 | 62 | 70 | 89 | 46 | 64 | 64 | 64 | 64 | 64 | 64 | 73 | |
| 78 | 62 | 69 | 88 | 46 | 63 | 63 | 63 | 63 | 63 | 63 | 72 | |
| 77 | 61 | 68 | 87 | 45 | 62 | 62 | 62 | 62 | 62 | 62 | 71 | |
| 76 | 60 | 67 | 86 | 44 | 61 | 61 | 61 | 61 | 61 | 61 | 70 | |
| 75 | 59 | 67 | 85 | 44 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | |
| 74 | 59 | 66 | 84 | 43 | 59 | 59 | 59 | 59 | 59 | 59 | 69 | |
| 73 | 58 | 65 | 83 | 43 | 58 | 58 | 58 | 58 | 58 | 58 | 68 | |
| 72 | 57 | 64 | 82 | 42 | 57 | 57 | 57 | 57 | 57 | 57 | 67 | |
| 71 | 56 | 63 | 81 | 42 | 56 | 56 | 56 | 56 | 56 | 56 | 66 | |
| 70 | 56 | 63 | 80 | 41 | 55 | 55 | 55 | 55 | 55 | 55 | 65 | |
| 69 | 55 | 62 | 79 | 41 | 54 | 54 | 54 | 54 | 54 | 54 | 64 | |
| 68 | 54 | 61 | 78 | 40 | 53 | 53 | 53 | 53 | 53 | 53 | 63 | |
| 67 | 54 | 60 | 77 | 40 | 52 | 52 | 52 | 52 | 52 | 52 | 62 | |
| 66 | 53 | 59 | 76 | 39 | 51 | 51 | 51 | 51 | 51 | 51 | 61 | |
| 65 | 53 | 59 | 76 | 39 | 50 | 50 | 50 | 50 | 50 | 50 | 60 | |
| 64 | 53 | 59 | 76 | 39 | 49 | 49 | 49 | 49 | 49 | 49 | 59 | |
| 63 | 53 | 59 | 76 | 39 | 48 | 48 | 48 | 48 | 48 | 48 | 58 | |
| 62 | 53 | 59 | 76 | 39 | 47 | 47 | 47 | 47 | 47 | 47 | 57 | |
| 61 | 53 | 59 | 76 | 39 | 46 | 46 | 46 | 46 | 46 | 46 | 56 | |
| 60 | 53 | 59 | 76 | 39 | 45 | 45 | 45 | 45 | 45 | 45 | 55 | |
| 59 | 53 | 59 | 76 | 39 | 44 | 44 | 44 | 44 | 44 | 44 | 54 | |
| 58 | 53 | 59 | 76 | 39 | 43 | 43 | 43 | 43 | 43 | 43 | 53 | |
| 57 | 53 | 59 | 76 | 39 | 42 | 42 | 42 | 42 | 42 | 42 | 52 | |
| 56 | 53 | 59 | 76 | 39 | 41 | 41 | 41 | 41 | 41 | 41 | 51 | |
| 55 | 53 | 59 | 76 | 39 | 40 | 40 | 40 | 40 | 40 | 40 | 50 | |
| 54 | 53 | 59 | 76 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 49 | |
| 53 | 53 | 59 | 76 | 39 | 38 | 38 | 38 | 38 | 38 | 38 | 48 | |
| 52 | 53 | 59 | 76 | 39 | 37 | 37 | 37 | 37 | 37 | 37 | 47 | |
| 51 | 53 | 59 | 76 | 39 | 36 | 36 | 36 | 36 | 36 | 36 | 46 | |
| 50 | 53 | 59 | 76 | 39 | 35 | 35 | 35 | 35 | 35 | 35 | 45 | |
| 49 | 53 | 59 | 76 | 39 | 34 | 34 | 34 | 34 | 34 | 34 | 44 | |
| 48 | 53 | 59 | 76 | 39 | 33 | 33 | 33 | 33 | 33 | 33 | 43 | |
| 47 | 53 | 59 | 76 | 39 | 32 | 32 | 32 | 32 | 32 | 32 | 42 | |
| 46 | 53 | 59 | 76 | 39 | 31 | 31 | 31 | 31 | 31 | 31 | 41 | |
| 45 | 53 | 59 | 76 | 39 | 30 | 30 | 30 | 30 | 30 | 30 | 40 | |
| 44 | 53 | 59 | 76 | 39 | 29 | 29 | 29 | 29 | 29 | 29 | 39 | |
| 43 | 53 | 59 | 76 | 39 | 28 | 28 | 28 | 28 | 28 | 28 | 38 | |
| 42 | 53 | 59 | 76 | 39 | 27 | 27 | 27 | 27 | 27 | 27 | 37 | |
| 41 | 53 | 59 | 76 | 39 | 26 | 26 | 26 | 26 | 26 | 26 | 36 | |
| 40 | 53 | 59 | 76 | 39 | 25 | 25 | 25 | 25 | 25 | 25 | 35 | |
| 39 | 53 | 59 | 76 | 39 | 24 | 24 | 24 | 24 | 24 | 24 | 34 | |
| 38 | 53 | 59 | 76 | 39 | 23 | 23 | 23 | 23 | 23 | 23 | 33 | |
| 37 | 53 | 59 | 76 | 39 | 22 | 22 | 22 | 22 | 22 | 22 | 32 | |
| 36 | 53 | 59 | 76 | 39 | 21 | 21 | 21 | 21 | 21 | 21 | 31 | |
| 35 | 53 | 59 | 76 | 39 | 20 | 20 | 20 | 20 | 20 | 20 | 30 | |
| 34 | 53 | 59 | 76 | 39 | 19 | 19 | 19 | 19 | 19 | 19 | 29 | |
| 33 | 53 | 59 | 76 | 39 | 18 | 18 | 18 | 18 | 18 | 18 | 28 | |
| 32 | 53 | 59 | 76 | 39 | 17 | 17 | 17 | 17 | 17 | 17 | 27 | |
| 31 | 53 | 59 | 76 | 39 | 16 | 16 | 16 | 16 | 16 | 16 | 26 | |
| 30 | 53 | 59 | 76 | 39 | 15 | 15 | 15 | 15 | 15 | 15 | 25 | |
| 29 | 53 | 59 | 76 | 39 | 14 | 14 | 14 | 14 | 14 | 14 | 24 | |
| 28 | 53 | 59 | 76 | 39 | 13 | 13 | 13 | 13 | 13 | 13 | 23 | |
| 27 | 53 | 59 | 76 | 39 | 12 | 12 | 12 | 12 | 12 | 12 | 22 | |
| 26 | 53 | 59 | 76 | 39 | 11 | 11 | 11 | 11 | 11 | 11 | 21 | |
| 25 | 53 | 59 | 76 | 39 | 10 | 10 | 10 | 10 | 10 | 10 | 20 | |
| 24 | 53 | 59 | 76 | 39 | 9 | 9 | 9 | 9 | 9 | 9 | 19 | |
| 23 | 53 | 59 | 76 | 39 | 8 | 8 | 8 | 8 | 8 | 8 | 18 | |
| 22 | 53 | 59 | 76 | 39 | 7 | 7 | 7 | 7 | 7 | 7 | 17 | |
| 21 | 53 | 59 | 76 | 39 | 6 | 6 | 6 | 6 | 6 | 6 | 16 | |
| 20 | 53 | 59 | 76 | 39 | 5 | 5 | 5 | 5 | 5 | 5 | 15 | |
| 19 | 53 | 59 | 76 | 39 | 4 | 4 | 4 | 4 | 4 | 4 | 14 | |
| 18 | 53 | 59 | 76 | 39 | 3 | 3 | 3 | 3 | 3 | 3 | 13 | |
| 17 | 53 | 59 | 76 | 39 | 2 | 2 | 2 | 2 | 2 | 2 | 12 | |
| 16 | 53 | 59 | 76 | 39 | 1 | 1 | 1 | 1 | 1 | 1 | 11 | |
| 15 | 53 | 59 | 76 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | |

IOJA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-------------------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | | | | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 65 | 57 | 58 | 75 | 39 | 56 | 59 | | | |
| 64 | 51 | 58 | 74 | 38 | 55 | 58 | | | |
| 63 | 51 | 57 | 73 | 37 | 55 | 57 | | | |
| 62 | 50 | 56 | 72 | 37 | 54 | 56 | | | |
| 61 | 49 | 55 | 71 | 36 | 53 | 55 | | | |
| 60 | 48 | 54 | 70 | 36 | 52 | 54 | | | |
| 59 | 48 | 54 | 69 | 35 | 51 | 53 | | | |
| 58 | 47 | 53 | 68 | 35 | 50 | 53 | | | |
| 57 | 46 | 52 | 67 | 34 | 49 | 52 | | | |
| 56 | 46 | 51 | 66 | 34 | 49 | 51 | | | |
| 55 | 45 | 50 | 65 | 33 | 48 | 50 | | | |
| 54 | 44 | 49 | 64 | 33 | 47 | 49 | | | |
| 53 | 43 | 49 | 63 | 32 | 46 | 48 | | | |
| 52 | 43 | 48 | 62 | 31 | 45 | 47 | | | |
| 51 | 42 | 47 | 61 | 31 | 44 | 46 | | | |
| 50 | 41 | 46 | 60 | 30 | 43 | 46 | | | |
| 49 | 41 | 45 | 59 | 30 | 43 | 45 | | | |
| 48 | 40 | 44 | 58 | 29 | 42 | 44 | | | |
| 47 | 39 | 44 | 57 | 29 | 41 | 43 | | | |
| 46 | 38 | 43 | 56 | 28 | 40 | 42 | | | |
| 45 | 38 | 42 | 55 | 28 | 39 | 41 | | | |
| 44 | 37 | 41 | 54 | 27 | 38 | 40 | | | |
| 43 | 36 | 40 | 53 | 27 | 37 | 40 | | | |
| 42 | 35 | 40 | 52 | 26 | 37 | 39 | | | |
| 41 | 35 | 39 | 51 | 25 | 36 | 38 | | | |
| 40 | 34 | 38 | 50 | 25 | 35 | 37 | | | |
| 39 | 33 | 37 | 49 | 24 | 34 | 36 | | | |
| 38 | 33 | 36 | 48 | 24 | 33 | 35 | | | |
| 37 | 32 | 35 | 47 | 23 | 32 | 34 | | | |
| 36 | 31 | 35 | 46 | 23 | 31 | 34 | | | |
| 35 | 30 | 34 | 45 | 22 | 31 | 33 | | | |
| 34 | 30 | 33 | 44 | 22 | 30 | 32 | | | |
| 33 | 29 | 32 | 43 | 21 | 29 | 31 | | | |
| 32 | 28 | 31 | 42 | 21 | 28 | 30 | | | |
| 31 | 27 | 31 | 41 | 20 | 27 | 29 | | | |
| 30 | 27 | 30 | 40 | 20 | 26 | 28 | | | |
| 29 | 26 | 29 | 39 | 19 | 25 | 27 | | | |
| 28 | 25 | 28 | 39 | 18 | 25 | 27 | | | |
| 27 | 25 | 27 | 38 | 18 | 24 | 26 | | | |
| 26 | 24 | 26 | 37 | 17 | 23 | 25 | | | |
| 25 | 23 | 26 | 36 | 17 | 22 | 24 | | | |

TABLE 157. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) ALUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 24 | 22 | 25 | 21 | 17 | 26 | 11 | 16 | 21 | 23 | 21 | 23 | |
| 23 | 22 | 24 | 20 | 16 | 25 | 11 | 15 | 20 | 22 | 20 | 22 | |
| 22 | 21 | 23 | 19 | 15 | 24 | 10 | 14 | 19 | 21 | 19 | 21 | |
| 21 | 20 | 22 | 18 | 14 | 23 | 10 | 13 | 18 | 20 | 19 | 21 | |
| 20 | 19 | 21 | 17 | 13 | 22 | 9 | 12 | 17 | 20 | 18 | 20 | |
| 19 | 18 | 20 | 16 | 12 | 21 | 8 | 11 | 16 | 19 | 17 | 19 | |
| 18 | 17 | 19 | 15 | 11 | 20 | 8 | 10 | 15 | 18 | 16 | 18 | |
| 17 | 16 | 18 | 14 | 10 | 19 | 7 | 9 | 14 | 17 | 15 | 17 | |
| 16 | 15 | 17 | 13 | 9 | 18 | 6 | 8 | 13 | 16 | 14 | 16 | |
| 15 | 14 | 16 | 12 | 8 | 17 | 5 | 7 | 12 | 15 | 13 | 15 | |
| 14 | 13 | 15 | 11 | 7 | 16 | 4 | 6 | 11 | 14 | 12 | 14 | |
| 13 | 12 | 14 | 10 | 6 | 15 | 3 | 5 | 10 | 13 | 11 | 13 | |
| 12 | 11 | 13 | 9 | 5 | 14 | 2 | 4 | 9 | 12 | 10 | 12 | |
| 11 | 10 | 12 | 8 | 4 | 13 | 1 | 3 | 8 | 11 | 9 | 11 | |
| 10 | 9 | 11 | 7 | 3 | 12 | 0 | 2 | 7 | 10 | 8 | 10 | |
| 9 | 8 | 10 | 6 | 2 | 11 | 0 | 1 | 6 | 9 | 7 | 9 | |
| 8 | 7 | 9 | 5 | 1 | 10 | 0 | 0 | 5 | 8 | 6 | 8 | |
| 7 | 6 | 8 | 4 | 0 | 9 | 0 | 0 | 4 | 7 | 5 | 7 | |
| 6 | 5 | 7 | 3 | 0 | 8 | 0 | 0 | 3 | 6 | 4 | 6 | |
| 5 | 4 | 6 | 2 | 0 | 7 | 0 | 0 | 2 | 5 | 3 | 5 | |
| 4 | 3 | 5 | 1 | 0 | 6 | 0 | 0 | 1 | 4 | 2 | 4 | |
| 3 | 2 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 3 | 1 | 3 | |
| 2 | 1 | 3 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 2 | |
| 1 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | |
| 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | MAT (70 ED.) ELEMENTARY FORM F | | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|--------------------------------|------------------|-----------------------------|------------------|------------------------------|------------------|-------------------------------|------------------|---------------------------------|------------------|--------------------------|------------------|------------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 95 | 67 | 75 | 85 | 49 | 74 | 76 | 44 | 66 | 67 | 69 | 74 | 76 | | |
| 94 | 66 | 74 | 84 | 49 | 73 | 75 | 44 | 65 | 67 | 73 | 75 | 75 | | |
| 93 | 65 | 73 | 83 | 48 | 72 | 74 | 43 | 64 | 66 | 72 | 74 | 74 | | |
| 92 | 64 | 72 | 82 | 48 | 71 | 73 | 42 | 62 | 65 | 71 | 73 | 73 | | |
| 91 | 64 | 72 | 81 | 47 | 70 | 72 | 42 | 61 | 64 | 70 | 72 | 72 | | |
| 90 | 63 | 71 | 80 | 47 | 69 | 71 | 41 | 60 | 63 | 69 | 72 | 72 | | |
| 89 | 62 | 70 | 79 | 46 | 68 | 70 | 40 | 59 | 62 | 68 | 71 | 71 | | |
| 88 | 62 | 69 | 78 | 46 | 67 | 69 | 40 | 58 | 61 | 67 | 70 | 70 | | |
| 87 | 61 | 68 | 77 | 45 | 66 | 68 | 39 | 57 | 60 | 66 | 69 | 69 | | |
| 86 | 60 | 67 | 76 | 44 | 65 | 67 | 38 | 56 | 59 | 65 | 68 | 68 | | |
| 85 | 59 | 67 | 75 | 44 | 64 | 66 | 38 | 55 | 58 | 64 | 67 | 67 | | |
| 84 | 59 | 66 | 74 | 43 | 63 | 65 | 37 | 54 | 57 | 63 | 66 | 66 | | |
| 83 | 58 | 65 | 73 | 43 | 62 | 64 | 37 | 53 | 56 | 62 | 65 | 65 | | |
| 82 | 57 | 64 | 72 | 42 | 61 | 63 | 36 | 52 | 55 | 61 | 64 | 64 | | |
| 81 | 56 | 63 | 71 | 42 | 60 | 62 | 36 | 51 | 54 | 60 | 63 | 63 | | |
| 80 | 56 | 62 | 70 | 41 | 59 | 61 | 35 | 50 | 53 | 59 | 62 | 62 | | |
| 79 | 55 | 62 | 69 | 41 | 58 | 60 | 35 | 49 | 52 | 58 | 61 | 61 | | |
| 78 | 54 | 61 | 68 | 40 | 57 | 59 | 34 | 48 | 51 | 57 | 60 | 60 | | |
| 77 | 53 | 60 | 67 | 40 | 56 | 58 | 34 | 47 | 50 | 56 | 59 | 59 | | |
| 76 | 53 | 59 | 66 | 39 | 55 | 57 | 33 | 46 | 49 | 55 | 58 | 58 | | |
| 75 | 52 | 58 | 65 | 38 | 54 | 56 | 33 | 45 | 48 | 54 | 57 | 57 | | |
| 74 | 51 | 58 | 64 | 38 | 53 | 55 | 32 | 44 | 47 | 53 | 56 | 56 | | |
| 73 | 51 | 57 | 63 | 37 | 52 | 54 | 32 | 43 | 46 | 52 | 55 | 55 | | |
| 72 | 50 | 56 | 62 | 37 | 51 | 53 | 31 | 42 | 45 | 51 | 54 | 54 | | |
| 71 | 49 | 55 | 61 | 36 | 50 | 52 | 31 | 41 | 44 | 50 | 53 | 53 | | |
| 70 | 48 | 54 | 60 | 36 | 49 | 51 | 30 | 40 | 43 | 49 | 52 | 52 | | |
| 69 | 48 | 53 | 59 | 35 | 48 | 50 | 30 | 39 | 42 | 48 | 51 | 51 | | |
| 68 | 47 | 53 | 58 | 35 | 47 | 49 | 29 | 38 | 41 | 47 | 50 | 50 | | |
| 67 | 46 | 52 | 57 | 34 | 46 | 48 | 29 | 37 | 40 | 46 | 49 | 49 | | |
| 66 | 46 | 51 | 56 | 34 | 45 | 47 | 28 | 36 | 39 | 45 | 48 | 48 | | |
| 65 | 45 | 50 | 55 | 33 | 44 | 46 | 28 | 35 | 38 | 44 | 47 | 47 | | |
| 64 | 44 | 49 | 54 | 32 | 43 | 45 | 27 | 34 | 37 | 43 | 46 | 46 | | |
| 63 | 43 | 48 | 53 | 32 | 42 | 44 | 27 | 33 | 36 | 42 | 45 | 45 | | |
| 62 | 43 | 48 | 52 | 31 | 41 | 43 | 26 | 32 | 35 | 41 | 44 | 44 | | |
| 61 | 42 | 47 | 51 | 31 | 40 | 42 | 26 | 31 | 34 | 40 | 43 | 43 | | |
| 60 | 41 | 46 | 50 | 30 | 39 | 41 | 25 | 30 | 33 | 39 | 42 | 42 | | |
| 59 | 40 | 45 | 49 | 30 | 38 | 40 | 25 | 29 | 32 | 38 | 41 | 41 | | |
| 58 | 40 | 44 | 48 | 29 | 37 | 39 | 24 | 28 | 31 | 37 | 40 | 40 | | |
| 57 | 39 | 43 | 47 | 29 | 36 | 38 | 24 | 27 | 30 | 36 | 39 | 39 | | |
| 56 | 38 | 43 | 46 | 28 | 35 | 37 | 23 | 26 | 29 | 35 | 38 | 38 | | |
| 55 | 37 | 42 | 45 | 28 | 34 | 36 | 23 | 25 | 28 | 34 | 37 | 37 | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 54 | 37 | 41 | 44 | 27 | 38 | 35 | 25 | 35 | 38 | 40 | | |
| 53 | 36 | 40 | 43 | 26 | 37 | 34 | 25 | 34 | 37 | 39 | | |
| 52 | 35 | 39 | 42 | 26 | 36 | 33 | 24 | 33 | 36 | 38 | | |
| 51 | 34 | 38 | 41 | 25 | 35 | 32 | 24 | 32 | 35 | 38 | | |
| 50 | 34 | 38 | 40 | 25 | 34 | 31 | 24 | 31 | 34 | 37 | | |
| 49 | 33 | 37 | 39 | 24 | 33 | 30 | 23 | 30 | 33 | 35 | | |
| 48 | 32 | 36 | 38 | 23 | 32 | 29 | 23 | 29 | 32 | 34 | | |
| 47 | 32 | 35 | 37 | 23 | 31 | 28 | 23 | 28 | 31 | 33 | | |
| 46 | 31 | 34 | 36 | 23 | 30 | 27 | 22 | 27 | 30 | 32 | | |
| 45 | 30 | 34 | 35 | 22 | 29 | 26 | 21 | 26 | 29 | 31 | | |
| 44 | 29 | 33 | 34 | 21 | 28 | 25 | 21 | 25 | 28 | 30 | | |
| 43 | 29 | 32 | 33 | 21 | 27 | 24 | 20 | 24 | 27 | 29 | | |
| 42 | 28 | 31 | 32 | 20 | 26 | 23 | 20 | 23 | 26 | 28 | | |
| 41 | 27 | 30 | 31 | 20 | 25 | 22 | 19 | 22 | 25 | 27 | | |
| 40 | 26 | 29 | 30 | 19 | 24 | 21 | 19 | 21 | 24 | 26 | | |
| 39 | 26 | 29 | 29 | 19 | 24 | 20 | 18 | 20 | 24 | 25 | | |
| 38 | 25 | 28 | 28 | 18 | 23 | 19 | 18 | 19 | 23 | 24 | | |
| 37 | 24 | 27 | 27 | 18 | 22 | 18 | 17 | 18 | 22 | 23 | | |
| 36 | 24 | 26 | 26 | 17 | 21 | 17 | 17 | 17 | 21 | 22 | | |
| 35 | 23 | 25 | 25 | 17 | 20 | 16 | 16 | 16 | 20 | 22 | | |
| 34 | 22 | 24 | 24 | 16 | 19 | 15 | 15 | 15 | 19 | 21 | | |
| 33 | 21 | 24 | 23 | 15 | 18 | 14 | 14 | 14 | 18 | 20 | | |
| 32 | 21 | 23 | 22 | 15 | 17 | 13 | 13 | 13 | 17 | 19 | | |
| 31 | 20 | 22 | 21 | 14 | 16 | 12 | 12 | 12 | 16 | 18 | | |
| 30 | 19 | 21 | 20 | 14 | 15 | 11 | 11 | 11 | 15 | 17 | | |
| 29 | 18 | 20 | 19 | 13 | 14 | 10 | 10 | 10 | 14 | 16 | | |
| 28 | 18 | 19 | 18 | 13 | 13 | 10 | 9 | 9 | 13 | 15 | | |
| 27 | 17 | 19 | 17 | 12 | 12 | 9 | 9 | 9 | 12 | 14 | | |
| 26 | 16 | 18 | 16 | 12 | 11 | 8 | 8 | 8 | 11 | 13 | | |
| 25 | 15 | 17 | 15 | 11 | 10 | 7 | 7 | 7 | 10 | 12 | | |
| 24 | 15 | 16 | 14 | 11 | 9 | 7 | 7 | 7 | 9 | 11 | | |
| 23 | 14 | 15 | 13 | 10 | 8 | 6 | 6 | 6 | 8 | 10 | | |
| 22 | 13 | 14 | 12 | 9 | 7 | 5 | 5 | 5 | 7 | 9 | | |
| 21 | 13 | 14 | 11 | 9 | 6 | 4 | 4 | 4 | 6 | 8 | | |
| 20 | 12 | 13 | 10 | 8 | 5 | 3 | 3 | 3 | 5 | 7 | | |
| 19 | 11 | 12 | 8 | 8 | 4 | 3 | 3 | 3 | 4 | 6 | | |
| 18 | 10 | 11 | 7 | 7 | 3 | 2 | 2 | 2 | 3 | 5 | | |
| 17 | 10 | 10 | 6 | 7 | 2 | 1 | 1 | 1 | 2 | 4 | | |
| 16 | 9 | 10 | 5 | 6 | 1 | 1 | 1 | 1 | 1 | 3 | | |
| 15 | 8 | 9 | 4 | 6 | 1 | 1 | 1 | 1 | 1 | 2 | | |
| 14 | 7 | 8 | 3 | 5 | 1 | 1 | 1 | 1 | 1 | 2 | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTBS (68 ED.) LEVEL 2 FORM C TOTAL READING | ITRS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM F TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|---|--|---|--|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 12 | 7 | | 2 | 4 | | 3 |
| 11 | 6 | | 1 | 4 | | 4 |
| 11 | 5 | | 0 | 3 | | 1 |
| 10 | 5 | | 1 | 3 | | 0 |
| 9 | 4 | | 2 | 2 | | 1 |
| 9 | 3 | | 3 | 2 | | 0 |
| 7 | 2 | | 4 | 1 | | 3 |
| 6 | 1 | | 5 | 1 | | 2 |
| 5 | 0 | | 6 | 0 | | 4 |
| 4 | 0 | | 7 | 0 | | 5 |
| 3 | 1 | | 8 | 1 | | 6 |
| 2 | 2 | | 9 | 1 | | 7 |
| 1 | 3 | | 10 | 2 | | 8 |
| 0 | 4 | | 11 | 3 | | 9 |

TABLE 159. ANCHOR TEST EQUATING STUDY: GRADE 4

EQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-III) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A | CAI (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM W |
|---------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 60 | 91 | 105 | 115 | 90 | 93 | |
| 59 | 90 | 103 | 113 | 89 | 91 | |
| 58 | 88 | 101 | 111 | 87 | 90 | |
| 57 | 86 | 99 | 109 | 86 | 89 | |
| 56 | 85 | 97 | 107 | 84 | 87 | |
| 55 | 83 | 96 | 105 | 83 | 85 | |
| 54 | 82 | 94 | 104 | 81 | 83 | |
| 53 | 80 | 92 | 102 | 79 | 82 | |
| 52 | 79 | 90 | 100 | 78 | 80 | |
| 51 | 77 | 88 | 98 | 76 | 79 | |
| 50 | 76 | 86 | 96 | 75 | 77 | |
| 49 | 74 | 85 | 94 | 73 | 75 | |
| 48 | 73 | 83 | 93 | 71 | 74 | |
| 47 | 71 | 81 | 91 | 70 | 72 | |
| 46 | 70 | 79 | 89 | 68 | 71 | |
| 45 | 68 | 77 | 87 | 67 | 69 | |
| 44 | 67 | 75 | 85 | 65 | 67 | |
| 43 | 65 | 73 | 84 | 64 | 66 | |
| 42 | 64 | 72 | 82 | 62 | 64 | |
| 41 | 62 | 70 | 80 | 60 | 63 | |
| 40 | 61 | 68 | 78 | 59 | 61 | |
| 39 | 59 | 66 | 76 | 57 | 59 | |
| 38 | 58 | 64 | 74 | 56 | 58 | |
| 37 | 56 | 62 | 73 | 54 | 56 | |
| 36 | 55 | 61 | 71 | 52 | 55 | |
| 35 | 53 | 59 | 69 | 51 | 53 | |
| 34 | 52 | 57 | 67 | 49 | 52 | |
| 33 | 50 | 55 | 65 | 48 | 50 | |
| 32 | 49 | 53 | 63 | 46 | 48 | |
| 31 | 47 | 51 | 62 | 45 | 47 | |
| 30 | 46 | 50 | 60 | 43 | 45 | |
| 29 | 44 | 48 | 58 | 41 | 44 | |
| 28 | 43 | 46 | 56 | 40 | 42 | |
| 27 | 41 | 44 | 54 | 38 | 40 | |
| 26 | 40 | 42 | 52 | 37 | 39 | |
| 25 | 38 | 40 | 51 | 35 | 37 | |
| 24 | 37 | 38 | 49 | 33 | 36 | |
| 23 | 35 | 37 | 47 | 32 | 34 | |
| 22 | 34 | 35 | 45 | 30 | 32 | |
| 21 | 32 | 33 | 43 | 29 | 31 | |
| 20 | 31 | 31 | 41 | 27 | 29 | |

EQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | TBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|---------------------------------------|-----------------------------------|------------------|------------------------------------|------------------|------------------------------------|------------------|--------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 19 | 26 | 29 | 29 | 40 | 26 | 26 | 26 | 26 | 26 | 26 | 28 | |
| 18 | 25 | 28 | 27 | 38 | 24 | 24 | 24 | 24 | 24 | 24 | 26 | |
| 17 | 23 | 26 | 26 | 36 | 22 | 22 | 22 | 22 | 22 | 22 | 24 | |
| 16 | 22 | 25 | 24 | 34 | 21 | 21 | 21 | 21 | 21 | 21 | 23 | |
| 15 | 21 | 23 | 22 | 32 | 19 | 19 | 19 | 19 | 19 | 19 | 21 | |
| 14 | 19 | 21 | 20 | 31 | 18 | 18 | 18 | 18 | 18 | 18 | 20 | |
| 13 | 18 | 20 | 18 | 29 | 16 | 16 | 16 | 16 | 16 | 16 | 18 | |
| 12 | 17 | 18 | 16 | 27 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | |
| 11 | 15 | 17 | 15 | 25 | 13 | 13 | 13 | 13 | 13 | 13 | 15 | |
| 10 | 14 | 15 | 13 | 23 | 11 | 11 | 11 | 11 | 11 | 11 | 13 | |
| 9 | 13 | 14 | 11 | 21 | 10 | 10 | 10 | 10 | 10 | 10 | 12 | |
| 8 | 11 | 12 | 9 | 20 | 8 | 8 | 8 | 8 | 8 | 8 | 10 | |
| 7 | 10 | 11 | 7 | 18 | 7 | 7 | 7 | 7 | 7 | 7 | 9 | |
| 6 | 9 | 9 | 5 | 16 | 5 | 5 | 5 | 5 | 5 | 5 | 7 | |
| 5 | 7 | 8 | 3 | 14 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | |
| 4 | 6 | 6 | 2 | 12 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | |
| 3 | 5 | 5 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| 2 | 3 | 3 | - 2 | 9 | - 1 | - 1 | - 1 | - 1 | - 1 | - 1 | 1 | |
| 1 | 2 | 2 | - 4 | 7 | - 3 | - 3 | - 3 | - 3 | - 3 | - 3 | - 1 | |
| 0 | 1 | 0 | - 6 | 5 | - 4 | - 4 | - 4 | - 4 | - 4 | - 4 | - 3 | |

TABLE 160. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| SRA 171 ED.) BLUF FORM E TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | | CTBS (68 ED.) LEVEL 2 FORM Q TOTAL READING | | ITBS (71 ED.) LEVEL 10 FORM S TOTAL READING | | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | | SAT (64 ED.) INTERMEDIATE I FORM M TOTAL READING | |
|---|--|-----------|---|-----------|--|-----------|---|-----------|--|-----------|---|-----------|
| | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE |
| 90 | 91 | 104 | 91 | 104 | 114 | 114 | 60 | 60 | 93 | 93 | | |
| 89 | 90 | 103 | 90 | 103 | 113 | 113 | 59 | 59 | 92 | 92 | | |
| 88 | 89 | 102 | 89 | 102 | 112 | 112 | 59 | 59 | 91 | 91 | | |
| 87 | 88 | 101 | 88 | 101 | 111 | 111 | 58 | 58 | 90 | 90 | | |
| 86 | 87 | 100 | 87 | 100 | 110 | 110 | 89 | 89 | 89 | 89 | | |
| 85 | 86 | 99 | 86 | 99 | 108 | 108 | 57 | 57 | 88 | 88 | | |
| 84 | 85 | 97 | 85 | 97 | 107 | 107 | 56 | 56 | 87 | 87 | | |
| 83 | 84 | 96 | 84 | 96 | 106 | 106 | 55 | 55 | 86 | 86 | | |
| 82 | 83 | 95 | 83 | 95 | 105 | 105 | 55 | 55 | 85 | 85 | | |
| 81 | 82 | 94 | 82 | 94 | 104 | 104 | 54 | 54 | 84 | 84 | | |
| 80 | 81 | 93 | 81 | 93 | 103 | 103 | 54 | 54 | 83 | 83 | | |
| 79 | 80 | 92 | 80 | 92 | 101 | 101 | 53 | 53 | 81 | 81 | | |
| 78 | 79 | 90 | 79 | 90 | 100 | 100 | 52 | 52 | 80 | 80 | | |
| 77 | 78 | 89 | 78 | 89 | 99 | 99 | 52 | 52 | 79 | 79 | | |
| 76 | 77 | 88 | 77 | 88 | 98 | 98 | 51 | 51 | 78 | 78 | | |
| 75 | 76 | 87 | 76 | 87 | 97 | 97 | 50 | 50 | 77 | 77 | | |
| 74 | 75 | 86 | 75 | 86 | 96 | 96 | 50 | 50 | 76 | 76 | | |
| 73 | 74 | 85 | 74 | 85 | 95 | 95 | 49 | 49 | 75 | 75 | | |
| 72 | 73 | 83 | 73 | 83 | 93 | 93 | 48 | 48 | 74 | 74 | | |
| 71 | 72 | 82 | 72 | 82 | 92 | 92 | 48 | 48 | 73 | 73 | | |
| 70 | 71 | 81 | 71 | 81 | 91 | 91 | 47 | 47 | 72 | 72 | | |
| 69 | 70 | 80 | 70 | 80 | 90 | 90 | 47 | 47 | 71 | 71 | | |
| 68 | 69 | 79 | 69 | 79 | 89 | 89 | 46 | 46 | 70 | 70 | | |
| 67 | 68 | 78 | 68 | 78 | 88 | 88 | 45 | 45 | 69 | 69 | | |
| 66 | 67 | 76 | 67 | 76 | 86 | 86 | 45 | 45 | 68 | 68 | | |
| 65 | 66 | 75 | 66 | 75 | 85 | 85 | 44 | 44 | 67 | 67 | | |
| 64 | 65 | 74 | 65 | 74 | 84 | 84 | 44 | 44 | 66 | 66 | | |
| 63 | 64 | 73 | 64 | 73 | 83 | 83 | 43 | 43 | 65 | 65 | | |
| 62 | 63 | 72 | 63 | 72 | 82 | 82 | 42 | 42 | 64 | 64 | | |
| 61 | 62 | 71 | 62 | 71 | 81 | 81 | 41 | 41 | 63 | 63 | | |
| 60 | 61 | 69 | 61 | 69 | 79 | 79 | 41 | 41 | 62 | 62 | | |
| 59 | 60 | 68 | 60 | 68 | 78 | 78 | 40 | 40 | 61 | 61 | | |
| 58 | 59 | 67 | 59 | 67 | 77 | 77 | 40 | 40 | 60 | 60 | | |
| 57 | 58 | 66 | 58 | 66 | 76 | 76 | 39 | 39 | 59 | 59 | | |
| 56 | 57 | 65 | 57 | 65 | 75 | 75 | 38 | 38 | 58 | 58 | | |
| 55 | 56 | 64 | 56 | 64 | 74 | 74 | 38 | 38 | 57 | 57 | | |
| 54 | 55 | 62 | 55 | 62 | 73 | 73 | 37 | 37 | 56 | 56 | | |
| 53 | 54 | 61 | 54 | 61 | 71 | 71 | 36 | 36 | 55 | 55 | | |
| 52 | 53 | 60 | 53 | 60 | 70 | 70 | 35 | 35 | 54 | 54 | | |
| 51 | 52 | 59 | 52 | 59 | 69 | 69 | 35 | 35 | 53 | 53 | | |
| 50 | 51 | 58 | 51 | 58 | 68 | 68 | 35 | 35 | 52 | 52 | | |

TABLE 160. ANCHOR TEST EQUATING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | SRA (71 ED.) BLUE FORM E | | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------|------------------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 49 | 46 | 52 | 57 | 67 | 57 | 67 | 57 | 67 | 57 | 67 | 34 | 34 | 51 | 51 |
| 48 | 45 | 51 | 55 | 66 | 55 | 66 | 55 | 66 | 55 | 66 | 33 | 33 | 50 | 50 |
| 47 | 44 | 50 | 54 | 65 | 54 | 65 | 54 | 65 | 54 | 65 | 33 | 33 | 49 | 49 |
| 46 | 43 | 49 | 53 | 63 | 53 | 63 | 53 | 63 | 53 | 63 | 32 | 32 | 48 | 48 |
| 45 | 42 | 48 | 52 | 62 | 52 | 62 | 52 | 62 | 52 | 62 | 31 | 31 | 47 | 47 |
| 44 | 42 | 47 | 51 | 61 | 51 | 61 | 51 | 61 | 51 | 61 | 31 | 31 | 46 | 46 |
| 43 | 41 | 46 | 50 | 60 | 50 | 60 | 50 | 60 | 50 | 60 | 30 | 30 | 45 | 45 |
| 42 | 40 | 45 | 48 | 59 | 48 | 59 | 48 | 59 | 48 | 59 | 29 | 29 | 44 | 44 |
| 41 | 39 | 44 | 47 | 58 | 47 | 58 | 47 | 58 | 47 | 58 | 29 | 29 | 43 | 43 |
| 40 | 38 | 43 | 46 | 56 | 46 | 56 | 46 | 56 | 46 | 56 | 28 | 28 | 42 | 42 |
| 39 | 38 | 42 | 45 | 55 | 45 | 55 | 45 | 55 | 45 | 55 | 28 | 28 | 41 | 41 |
| 38 | 37 | 41 | 44 | 54 | 44 | 54 | 44 | 54 | 44 | 54 | 27 | 27 | 40 | 40 |
| 37 | 36 | 40 | 43 | 53 | 43 | 53 | 43 | 53 | 43 | 53 | 26 | 26 | 39 | 39 |
| 36 | 35 | 39 | 41 | 52 | 41 | 52 | 41 | 52 | 41 | 52 | 26 | 26 | 38 | 38 |
| 35 | 34 | 38 | 40 | 51 | 40 | 51 | 40 | 51 | 40 | 51 | 25 | 25 | 37 | 37 |
| 34 | 33 | 37 | 39 | 49 | 39 | 49 | 39 | 49 | 39 | 49 | 24 | 24 | 36 | 36 |
| 33 | 32 | 36 | 38 | 48 | 38 | 48 | 38 | 48 | 38 | 48 | 24 | 24 | 35 | 35 |
| 32 | 32 | 35 | 37 | 47 | 37 | 47 | 37 | 47 | 37 | 47 | 23 | 23 | 34 | 34 |
| 31 | 31 | 34 | 36 | 46 | 36 | 46 | 36 | 46 | 36 | 46 | 23 | 23 | 33 | 33 |
| 30 | 30 | 33 | 34 | 45 | 34 | 45 | 34 | 45 | 34 | 45 | 22 | 22 | 32 | 32 |
| 29 | 29 | 32 | 33 | 44 | 33 | 44 | 33 | 44 | 33 | 44 | 21 | 21 | 31 | 31 |
| 28 | 28 | 31 | 32 | 43 | 32 | 43 | 32 | 43 | 32 | 43 | 21 | 21 | 30 | 30 |
| 27 | 27 | 30 | 31 | 41 | 31 | 41 | 31 | 41 | 31 | 41 | 20 | 20 | 29 | 29 |
| 26 | 26 | 30 | 30 | 40 | 30 | 40 | 30 | 40 | 30 | 40 | 19 | 19 | 28 | 28 |
| 25 | 26 | 29 | 29 | 39 | 29 | 39 | 29 | 39 | 29 | 39 | 19 | 19 | 27 | 27 |
| 24 | 25 | 28 | 27 | 38 | 27 | 38 | 27 | 38 | 27 | 38 | 18 | 18 | 26 | 26 |
| 23 | 24 | 27 | 26 | 37 | 26 | 37 | 26 | 37 | 26 | 37 | 17 | 17 | 25 | 25 |
| 22 | 23 | 26 | 25 | 36 | 25 | 36 | 25 | 36 | 25 | 36 | 17 | 17 | 24 | 24 |
| 21 | 22 | 25 | 24 | 34 | 24 | 34 | 24 | 34 | 24 | 34 | 16 | 16 | 23 | 23 |
| 20 | 21 | 24 | 23 | 33 | 23 | 33 | 23 | 33 | 23 | 33 | 16 | 16 | 22 | 22 |
| 19 | 21 | 23 | 22 | 32 | 22 | 32 | 22 | 32 | 22 | 32 | 15 | 15 | 21 | 21 |
| 18 | 20 | 22 | 20 | 31 | 20 | 31 | 20 | 31 | 20 | 31 | 14 | 14 | 20 | 20 |
| 17 | 19 | 21 | 19 | 30 | 19 | 30 | 19 | 30 | 19 | 30 | 14 | 14 | 19 | 19 |
| 16 | 18 | 20 | 18 | 29 | 18 | 29 | 18 | 29 | 18 | 29 | 13 | 13 | 18 | 18 |
| 15 | 17 | 19 | 17 | 28 | 17 | 28 | 17 | 28 | 17 | 28 | 12 | 12 | 17 | 17 |
| 14 | 16 | 18 | 16 | 26 | 16 | 26 | 16 | 26 | 16 | 26 | 12 | 12 | 16 | 16 |
| 13 | 16 | 17 | 15 | 25 | 15 | 25 | 15 | 25 | 15 | 25 | 11 | 11 | 15 | 15 |
| 12 | 15 | 16 | 13 | 24 | 13 | 24 | 13 | 24 | 13 | 24 | 11 | 11 | 14 | 14 |
| 11 | 14 | 15 | 12 | 23 | 12 | 23 | 12 | 23 | 12 | 23 | 10 | 10 | 13 | 13 |
| 10 | 13 | 14 | 11 | 22 | 11 | 22 | 11 | 22 | 11 | 22 | 9 | 9 | 12 | 12 |
| 9 | 12 | 13 | 10 | 21 | 10 | 21 | 10 | 21 | 10 | 21 | 9 | 9 | 11 | 11 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 8 | 11 | 12 | 9 | 9 | 19 | 19 | 8 | 8 | 10 | 10 | | |
| 7 | 10 | 11 | 8 | 8 | 18 | 18 | 7 | 7 | 9 | 9 | | |
| 6 | 10 | 10 | 6 | 6 | 17 | 17 | 7 | 7 | 8 | 8 | | |
| 5 | 9 | 9 | 5 | 5 | 16 | 16 | 6 | 6 | 7 | 7 | | |
| 4 | 8 | 8 | 4 | 4 | 15 | 15 | 5 | 5 | 6 | 6 | | |
| 3 | 7 | 8 | 3 | 3 | 14 | 14 | 5 | 5 | 5 | 5 | | |
| 2 | 6 | 7 | 2 | 2 | 12 | 12 | 4 | 4 | 4 | 4 | | |
| 1 | 5 | 6 | 1 | 1 | 11 | 11 | 3 | 3 | 3 | 3 | | |
| 0 | 5 | 5 | - | - | 10 | 10 | 3 | 3 | 2 | 2 | | |

TABLE 161. ANCHOR TEST EQUATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| RAW SCORE | CAT (7C ED.) LEVEL 3 FORM A | | CT9S (69 ED.) LEVEL 2 FORM C | | IIBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 98 | 55 | 96 | 111 | 121 | 121 | 63 | 63 | 96 | | | | |
| 97 | 64 | 95 | 110 | 119 | 119 | 63 | 63 | 95 | | | | |
| 96 | 64 | 94 | 108 | 118 | 118 | 62 | 62 | 94 | | | | |
| 95 | 63 | 93 | 107 | 117 | 117 | 61 | 61 | 93 | | | | |
| 94 | 62 | 92 | 106 | 116 | 116 | 61 | 61 | 92 | | | | |
| 93 | 61 | 91 | 105 | 115 | 115 | 60 | 60 | 91 | | | | |
| 92 | 60 | 90 | 104 | 114 | 114 | 60 | 60 | 90 | | | | |
| 91 | 79 | 89 | 103 | 113 | 113 | 59 | 59 | 89 | | | | |
| 90 | 78 | 88 | 102 | 111 | 111 | 58 | 58 | 88 | | | | |
| 89 | 78 | 87 | 100 | 110 | 110 | 58 | 58 | 87 | | | | |
| 88 | 77 | 86 | 99 | 109 | 109 | 57 | 57 | 86 | | | | |
| 87 | 76 | 85 | 98 | 108 | 108 | 56 | 56 | 85 | | | | |
| 86 | 75 | 85 | 97 | 107 | 107 | 56 | 56 | 84 | | | | |
| 85 | 74 | 84 | 96 | 106 | 106 | 55 | 55 | 83 | | | | |
| 84 | 74 | 83 | 95 | 104 | 104 | 55 | 55 | 82 | | | | |
| 83 | 73 | 82 | 93 | 103 | 103 | 54 | 54 | 81 | | | | |
| 82 | 72 | 81 | 92 | 102 | 102 | 53 | 53 | 80 | | | | |
| 81 | 71 | 80 | 91 | 101 | 101 | 53 | 53 | 79 | | | | |
| 80 | 70 | 79 | 90 | 100 | 100 | 52 | 52 | 78 | | | | |
| 79 | 69 | 78 | 89 | 99 | 99 | 51 | 51 | 77 | | | | |
| 78 | 68 | 77 | 88 | 98 | 98 | 51 | 51 | 76 | | | | |
| 77 | 68 | 76 | 87 | 96 | 96 | 50 | 50 | 75 | | | | |
| 76 | 67 | 75 | 85 | 95 | 95 | 49 | 49 | 74 | | | | |
| 75 | 66 | 74 | 84 | 94 | 94 | 49 | 49 | 73 | | | | |
| 74 | 65 | 73 | 83 | 93 | 93 | 48 | 48 | 72 | | | | |
| 73 | 64 | 72 | 82 | 92 | 92 | 48 | 48 | 71 | | | | |
| 72 | 63 | 71 | 81 | 91 | 91 | 47 | 47 | 70 | | | | |
| 71 | 63 | 70 | 80 | 90 | 90 | 46 | 46 | 69 | | | | |
| 70 | 62 | 69 | 78 | 88 | 88 | 46 | 46 | 68 | | | | |
| 69 | 61 | 68 | 77 | 87 | 87 | 45 | 45 | 67 | | | | |
| 68 | 60 | 67 | 76 | 86 | 86 | 44 | 44 | 66 | | | | |
| 67 | 59 | 66 | 75 | 85 | 85 | 44 | 44 | 65 | | | | |
| 66 | 58 | 65 | 74 | 84 | 84 | 43 | 43 | 64 | | | | |
| 65 | 58 | 64 | 73 | 83 | 83 | 43 | 43 | 63 | | | | |
| 64 | 57 | 64 | 71 | 81 | 81 | 42 | 42 | 62 | | | | |
| 63 | 56 | 63 | 70 | 80 | 80 | 41 | 41 | 61 | | | | |
| 62 | 55 | 62 | 69 | 79 | 79 | 41 | 41 | 60 | | | | |
| 61 | 54 | 61 | 68 | 78 | 78 | 40 | 40 | 59 | | | | |
| 60 | 53 | 60 | 67 | 77 | 77 | 39 | 39 | 58 | | | | |
| 59 | 53 | 59 | 66 | 76 | 76 | 39 | 39 | 57 | | | | |
| 58 | 52 | 58 | 64 | 75 | 75 | 38 | 38 | 56 | | | | |

TABLE 161. ANCHOR TEST EQUATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | | CTBS (68 ED.) LEVEL 2 FORM Q TOTAL READING | | ITBS (71 ED.) LEVEL 10 FORM S TOTAL READING | | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | | SRA (71 ED.) BLUE FORM E TOTAL READING | |
|---|--|------------------|---|------------------|--|------------------|---|------------------|--|------------------|---|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 57 | 51 | 57 | 63 | 73 | 38 | 55 | 55 | | | | | |
| 56 | 50 | 56 | 62 | 72 | 37 | 54 | 54 | | | | | |
| 55 | 45 | 55 | 61 | 71 | 36 | 53 | 53 | | | | | |
| 54 | 44 | 54 | 60 | 70 | 36 | 52 | 52 | | | | | |
| 53 | 48 | 53 | 59 | 69 | 35 | 51 | 51 | | | | | |
| 52 | 47 | 52 | 58 | 68 | 34 | 50 | 50 | | | | | |
| 51 | 46 | 51 | 56 | 67 | 34 | 49 | 49 | | | | | |
| 50 | 45 | 50 | 55 | 65 | 33 | 48 | 48 | | | | | |
| 49 | 44 | 49 | 54 | 64 | 33 | 47 | 47 | | | | | |
| 48 | 43 | 48 | 53 | 63 | 32 | 46 | 46 | | | | | |
| 47 | 42 | 47 | 52 | 62 | 31 | 45 | 45 | | | | | |
| 46 | 42 | 47 | 51 | 61 | 31 | 44 | 44 | | | | | |
| 45 | 41 | 46 | 49 | 60 | 30 | 43 | 43 | | | | | |
| 44 | 40 | 45 | 48 | 59 | 29 | 42 | 42 | | | | | |
| 43 | 39 | 44 | 47 | 57 | 29 | 41 | 41 | | | | | |
| 42 | 38 | 43 | 46 | 56 | 28 | 40 | 40 | | | | | |
| 41 | 37 | 42 | 45 | 55 | 28 | 39 | 39 | | | | | |
| 40 | 37 | 41 | 44 | 54 | 27 | 38 | 38 | | | | | |
| 39 | 36 | 40 | 43 | 53 | 26 | 37 | 37 | | | | | |
| 38 | 35 | 39 | 41 | 52 | 26 | 36 | 36 | | | | | |
| 37 | 34 | 38 | 40 | 51 | 25 | 35 | 35 | | | | | |
| 36 | 33 | 37 | 39 | 49 | 24 | 34 | 34 | | | | | |
| 35 | 32 | 36 | 38 | 48 | 24 | 33 | 33 | | | | | |
| 34 | 32 | 35 | 37 | 47 | 23 | 32 | 32 | | | | | |
| 33 | 31 | 34 | 36 | 46 | 22 | 31 | 31 | | | | | |
| 32 | 30 | 33 | 34 | 45 | 22 | 30 | 30 | | | | | |
| 31 | 29 | 32 | 33 | 44 | 21 | 29 | 29 | | | | | |
| 30 | 29 | 31 | 32 | 42 | 21 | 28 | 28 | | | | | |
| 29 | 27 | 29 | 31 | 41 | 20 | 27 | 27 | | | | | |
| 28 | 27 | 29 | 30 | 40 | 19 | 26 | 26 | | | | | |
| 27 | 26 | 29 | 29 | 39 | 19 | 25 | 25 | | | | | |
| 26 | 25 | 28 | 27 | 38 | 18 | 24 | 24 | | | | | |
| 25 | 24 | 27 | 26 | 37 | 17 | 23 | 23 | | | | | |
| 24 | 23 | 26 | 25 | 36 | 17 | 22 | 22 | | | | | |
| 23 | 22 | 25 | 24 | 34 | 16 | 21 | 21 | | | | | |
| 22 | 22 | 24 | 23 | 33 | 16 | 20 | 20 | | | | | |
| 21 | 21 | 23 | 22 | 32 | 15 | 19 | 19 | | | | | |
| 20 | 20 | 22 | 21 | 31 | 14 | 18 | 18 | | | | | |
| 19 | 19 | 21 | 19 | 30 | 14 | 17 | 17 | | | | | |
| 18 | 18 | 20 | 18 | 29 | 13 | 16 | 16 | | | | | |
| 17 | 17 | 19 | 17 | 28 | 12 | 15 | 15 | | | | | |

TABLE 161. ANCHOR TEST EQUATING STUDY: GRADE 4

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2. LINEAR METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | | CTBS (68 ED.) LEVEL 2 FORM C TOTAL READING | | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | | SRA (71 ED.) BLUE FORM E TOTAL READING | |
|---|--|------------------|---|------------------|--|------------------|---|------------------|--|------------------|---|------------------|
| | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE |
| 16 | 16 | 18 | 16 | 16 | 26 | 12 | 12 | 14 | | | | |
| 15 | 16 | 17 | 15 | 15 | 25 | 11 | 11 | 13 | | | | |
| 14 | 15 | 16 | 14 | 14 | 24 | 11 | 11 | 12 | | | | |
| 13 | 14 | 15 | 12 | 12 | 23 | 10 | 10 | 11 | | | | |
| 12 | 13 | 14 | 11 | 11 | 22 | 9 | 9 | 10 | | | | |
| 11 | 12 | 13 | 10 | 10 | 21 | 9 | 9 | 9 | | | | |
| 10 | 11 | 12 | 9 | 9 | 19 | 8 | 8 | 8 | | | | |
| 9 | 11 | 11 | 8 | 8 | 18 | 7 | 7 | 7 | | | | |
| 8 | 10 | 10 | 7 | 7 | 17 | 7 | 7 | 6 | | | | |
| 7 | 9 | 10 | 5 | 5 | 16 | 6 | 6 | 5 | | | | |
| 6 | 8 | 9 | 4 | 4 | 15 | 6 | 6 | 4 | | | | |
| 5 | 7 | 8 | 3 | 3 | 14 | 5 | 5 | 3 | | | | |
| 4 | 6 | 7 | 2 | 2 | 13 | 4 | 4 | 2 | | | | |
| 3 | 5 | 6 | 1 | 1 | 11 | 4 | 4 | 1 | | | | |
| 2 | 4 | 5 | 0 | 0 | 10 | 3 | 3 | 0 | | | | |
| 1 | 3 | 4 | - 1 | - 1 | 9 | 2 | 2 | - 1 | | | | |
| 0 | 3 | 3 | - 3 | - 3 | 8 | 2 | 2 | - 2 | | | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M |
|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 85 | 104 | 95 | 60 | 90 | 98 | |
| 84 | 103 | 95 | 60 | 89 | 97 | |
| 83 | 102 | 94 | 59 | 88 | 95 | |
| 79 | 100 | 94 | 58 | 87 | 93 | |
| 81 | 98 | 93 | 57 | 86 | 91 | |
| 80 | 97 | 93 | 56 | 84 | 89 | |
| 79 | 96 | 92 | 55 | 84 | 89 | |
| 79 | 95 | 92 | 55 | 83 | 87 | |
| 78 | 94 | 91 | 54 | 82 | 86 | |
| 77 | 93 | 91 | 53 | 81 | 84 | |
| 77 | 92 | 90 | 53 | 80 | 83 | |
| 76 | 90 | 90 | 52 | 79 | 82 | |
| 75 | 89 | 89 | 52 | 78 | 81 | |
| 74 | 89 | 89 | 51 | 77 | 80 | |
| 74 | 87 | 88 | 50 | 76 | 78 | |
| 73 | 86 | 88 | 50 | 75 | 77 | |
| 72 | 85 | 87 | 49 | 74 | 76 | |
| 71 | 84 | 87 | 48 | 73 | 75 | |
| 71 | 82 | 86 | 48 | 72 | 74 | |
| 70 | 81 | 86 | 47 | 71 | 72 | |
| 69 | 80 | 85 | 46 | 70 | 71 | |
| 68 | 79 | 85 | 45 | 69 | 70 | |
| 67 | 77 | 84 | 45 | 68 | 69 | |
| 67 | 76 | 84 | 44 | 66 | 67 | |
| 66 | 75 | 83 | 43 | 65 | 66 | |
| 65 | 73 | 82 | 42 | 64 | 65 | |
| 64 | 72 | 81 | 42 | 62 | 63 | |
| 63 | 71 | 81 | 41 | 61 | 62 | |
| 62 | 69 | 80 | 40 | 60 | 61 | |
| 61 | 68 | 79 | 39 | 60 | 60 | |
| 60 | 66 | 78 | 38 | 57 | 58 | |
| 59 | 65 | 77 | 38 | 55 | 57 | |
| 58 | 63 | 76 | 37 | 54 | 56 | |
| 57 | 62 | 75 | 36 | 53 | 55 | |
| 56 | 60 | 74 | 35 | 51 | 53 | |
| 55 | 59 | 73 | 35 | 50 | 52 | |
| 54 | 57 | 72 | 34 | 48 | 51 | |
| 53 | 55 | 70 | 33 | 47 | 50 | |
| 52 | 54 | 69 | 32 | 46 | 49 | |
| 51 | 52 | 68 | 31 | 44 | 47 | |
| 50 | 50 | 66 | 31 | 43 | 46 | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | ITRS (71 ED.) LEVEL 1C FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 41 | 47 | 48 | 65 | 30 | 42 | 45 | | | | | | |
| 40 | 46 | 47 | 63 | 30 | 40 | 43 | | | | | | |
| 39 | 45 | 45 | 62 | 29 | 39 | 42 | | | | | | |
| 38 | 43 | 43 | 60 | 28 | 38 | 41 | | | | | | |
| 37 | 42 | 42 | 59 | 27 | 37 | 40 | | | | | | |
| 36 | 41 | 40 | 57 | 27 | 35 | 38 | | | | | | |
| 35 | 39 | 39 | 55 | 26 | 34 | 37 | | | | | | |
| 34 | 38 | 38 | 53 | 25 | 33 | 36 | | | | | | |
| 33 | 37 | 36 | 52 | 24 | 32 | 35 | | | | | | |
| 32 | 35 | 35 | 49 | 23 | 31 | 34 | | | | | | |
| 31 | 34 | 34 | 47 | 23 | 30 | 33 | | | | | | |
| 30 | 32 | 33 | 45 | 22 | 29 | 31 | | | | | | |
| 29 | 31 | 32 | 43 | 21 | 28 | 30 | | | | | | |
| 28 | 30 | 31 | 41 | 21 | 27 | 29 | | | | | | |
| 27 | 29 | 30 | 39 | 20 | 26 | 28 | | | | | | |
| 26 | 28 | 29 | 37 | 19 | 25 | 27 | | | | | | |
| 25 | 27 | 29 | 35 | 18 | 25 | 27 | | | | | | |
| 24 | 26 | 27 | 33 | 18 | 24 | 26 | | | | | | |
| 23 | 24 | 26 | 31 | 17 | 23 | 25 | | | | | | |
| 22 | 23 | 26 | 30 | 16 | 22 | 24 | | | | | | |
| 21 | 22 | 25 | 28 | 16 | 21 | 23 | | | | | | |
| 20 | 21 | 24 | 26 | 15 | 20 | 22 | | | | | | |
| 19 | 20 | 23 | 25 | 14 | 20 | 22 | | | | | | |
| 18 | 19 | 22 | 23 | 13 | 19 | 20 | | | | | | |
| 17 | 18 | 21 | 21 | 12 | 17 | 18 | | | | | | |
| 16 | 17 | 20 | 20 | 11 | 16 | 17 | | | | | | |
| 15 | 16 | 19 | 19 | 11 | 15 | 16 | | | | | | |
| 14 | 15 | 18 | 18 | 10 | 14 | 14 | | | | | | |
| 13 | 14 | 16 | 16 | 9 | 13 | 12 | | | | | | |
| 12 | 13 | 14 | 14 | 8 | 11 | 11 | | | | | | |
| 11 | 11 | 12 | 13 | 7 | 10 | 9 | | | | | | |
| 10 | 10 | 11 | 12 | 7 | 9 | 8 | | | | | | |
| 9 | 8 | 9 | 11 | 6 | 8 | 7 | | | | | | |
| 8 | 7 | 8 | 10 | 5 | 6 | 6 | | | | | | |
| 7 | 6 | 6 | 9 | 5 | 5 | 5 | | | | | | |
| 6 | 5 | 5 | 8 | 4 | 4 | 3 | | | | | | |
| 5 | 3 | 3 | 7 | 3 | 3 | 3 | | | | | | |
| 4 | 2 | 2 | 6 | 2 | 2 | 2 | | | | | | |
| 3 | 1 | 2 | 5 | 2 | 0 | 1 | | | | | | |
| 2 | 1 | 1 | 4 | 1 | 0 | 0 | | | | | | |
| 1 | 0 | 0 | 3 | 0 | 0 | 0 | | | | | | |

CALIFORNIA ACHIEVEMENT TESTS (CAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM M TOTAL READING |
|--|--|---|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 0 | 0 | 2 | 0 | 0 | 0 |

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|--------------------|----------------------|-------------------|------------------|--------------------------|---------------|------------------|---------------|------------------|
| | LEVEL 3 FORM A | LEVEL 10 FORM 5 | ELEMENTARY FORM F | LEVEL 4 FORM A | BLUE FORM E | INTERMEDIATE I FORM W | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 85 | 92 | 104 | 95 | 60 | 90 | 90 | 98 | | | |
| 84 | 91 | 103 | 95 | 60 | 89 | 89 | 97 | | | |
| 83 | 90 | 102 | 94 | 59 | 89 | 89 | 95 | | | |
| 82 | 89 | 101 | 94 | 58 | 87 | 87 | 93 | | | |
| 81 | 88 | 100 | 93 | 57 | 86 | 86 | 91 | | | |
| 80 | 87 | 99 | 93 | 56 | 85 | 85 | 89 | | | |
| 79 | 86 | 98 | 92 | 55 | 84 | 84 | 88 | | | |
| 78 | 85 | 97 | 91 | 54 | 82 | 82 | 86 | | | |
| 77 | 84 | 96 | 91 | 53 | 81 | 81 | 84 | | | |
| 76 | 83 | 95 | 90 | 52 | 80 | 80 | 82 | | | |
| 75 | 82 | 94 | 89 | 52 | 78 | 78 | 81 | | | |
| 74 | 81 | 93 | 89 | 51 | 77 | 77 | 79 | | | |
| 73 | 80 | 92 | 88 | 50 | 76 | 76 | 77 | | | |
| 72 | 79 | 91 | 87 | 49 | 74 | 74 | 76 | | | |
| 71 | 78 | 90 | 87 | 48 | 73 | 73 | 74 | | | |
| 70 | 77 | 89 | 86 | 47 | 72 | 72 | 73 | | | |
| 69 | 76 | 88 | 85 | 46 | 70 | 70 | 71 | | | |
| 68 | 75 | 87 | 85 | 45 | 69 | 69 | 70 | | | |
| 67 | 74 | 86 | 84 | 44 | 67 | 67 | 68 | | | |
| 66 | 73 | 85 | 83 | 44 | 66 | 66 | 67 | | | |
| 65 | 72 | 84 | 82 | 43 | 64 | 64 | 65 | | | |
| 64 | 71 | 83 | 82 | 42 | 63 | 63 | 64 | | | |
| 63 | 70 | 82 | 81 | 41 | 61 | 61 | 62 | | | |
| 62 | 69 | 81 | 80 | 40 | 60 | 60 | 61 | | | |
| 61 | 68 | 80 | 79 | 39 | 58 | 58 | 60 | | | |
| 60 | 67 | 79 | 78 | 38 | 57 | 57 | 59 | | | |
| 59 | 66 | 78 | 77 | 37 | 56 | 56 | 58 | | | |
| 58 | 65 | 77 | 76 | 36 | 54 | 54 | 56 | | | |
| 57 | 64 | 76 | 75 | 35 | 53 | 53 | 55 | | | |
| 56 | 63 | 75 | 74 | 34 | 52 | 52 | 54 | | | |
| 55 | 62 | 74 | 73 | 33 | 51 | 51 | 53 | | | |
| 54 | 61 | 73 | 72 | 32 | 49 | 49 | 52 | | | |
| 53 | 60 | 72 | 71 | 31 | 48 | 48 | 51 | | | |
| 52 | 59 | 71 | 70 | 30 | 47 | 47 | 50 | | | |
| 51 | 58 | 70 | 69 | 29 | 46 | 46 | 49 | | | |
| 50 | 57 | 69 | 68 | 28 | 45 | 45 | 48 | | | |
| 49 | 56 | 68 | 67 | 27 | 44 | 44 | 47 | | | |
| 48 | 55 | 67 | 66 | 26 | 43 | 43 | 46 | | | |
| 47 | 54 | 66 | 65 | 25 | 42 | 42 | 45 | | | |
| 46 | 53 | 65 | 64 | 24 | 41 | 41 | 44 | | | |
| 45 | 52 | 64 | 63 | 23 | 40 | 40 | 43 | | | |
| 44 | 51 | 63 | 62 | 22 | 39 | 39 | 42 | | | |
| 43 | 50 | 62 | 61 | 21 | 38 | 38 | 41 | | | |
| 42 | 49 | 61 | 60 | 20 | 37 | 37 | 40 | | | |
| 41 | 48 | 60 | 59 | 19 | 36 | 36 | 39 | | | |
| 40 | 47 | 59 | 58 | 18 | 35 | 35 | 38 | | | |
| 39 | 46 | 58 | 57 | 17 | 34 | 34 | 37 | | | |
| 38 | 45 | 57 | 56 | 16 | 33 | 33 | 36 | | | |
| 37 | 44 | 56 | 55 | 15 | 32 | 32 | 35 | | | |
| 36 | 43 | 55 | 54 | 14 | 31 | 31 | 34 | | | |
| 35 | 42 | 54 | 53 | 13 | 30 | 30 | 33 | | | |
| 34 | 41 | 53 | 52 | 12 | 29 | 29 | 32 | | | |
| 33 | 40 | 52 | 51 | 11 | 28 | 28 | 31 | | | |
| 32 | 39 | 51 | 50 | 10 | 27 | 27 | 30 | | | |
| 31 | 38 | 50 | 49 | 9 | 26 | 26 | 29 | | | |
| 30 | 37 | 49 | 48 | 8 | 25 | 25 | 28 | | | |
| 29 | 36 | 48 | 47 | 7 | 24 | 24 | 27 | | | |
| 28 | 35 | 47 | 46 | 6 | 23 | 23 | 26 | | | |
| 27 | 34 | 46 | 45 | 5 | 22 | 22 | 25 | | | |
| 26 | 33 | 45 | 44 | 4 | 21 | 21 | 24 | | | |
| 25 | 32 | 44 | 43 | 3 | 20 | 20 | 23 | | | |
| 24 | 31 | 43 | 42 | 2 | 19 | 19 | 22 | | | |
| 23 | 30 | 42 | 41 | 1 | 18 | 18 | 21 | | | |
| 22 | 29 | 41 | 40 | 0 | 17 | 17 | 20 | | | |
| 21 | 28 | 40 | 39 | 0 | 16 | 16 | 19 | | | |
| 20 | 27 | 39 | 38 | 0 | 15 | 15 | 18 | | | |
| 19 | 26 | 38 | 37 | 0 | 14 | 14 | 17 | | | |
| 18 | 25 | 37 | 36 | 0 | 13 | 13 | 16 | | | |
| 17 | 24 | 36 | 35 | 0 | 12 | 12 | 15 | | | |
| 16 | 23 | 35 | 34 | 0 | 11 | 11 | 14 | | | |
| 15 | 22 | 34 | 33 | 0 | 10 | 10 | 13 | | | |
| 14 | 21 | 33 | 32 | 0 | 9 | 9 | 12 | | | |
| 13 | 20 | 32 | 31 | 0 | 8 | 8 | 11 | | | |
| 12 | 19 | 31 | 30 | 0 | 7 | 7 | 10 | | | |
| 11 | 18 | 30 | 29 | 0 | 6 | 6 | 9 | | | |
| 10 | 17 | 29 | 28 | 0 | 5 | 5 | 8 | | | |
| 9 | 16 | 28 | 27 | 0 | 4 | 4 | 7 | | | |
| 8 | 15 | 27 | 26 | 0 | 3 | 3 | 6 | | | |
| 7 | 14 | 26 | 25 | 0 | 2 | 2 | 5 | | | |
| 6 | 13 | 25 | 24 | 0 | 1 | 1 | 4 | | | |
| 5 | 12 | 24 | 23 | 0 | 0 | 0 | 3 | | | |
| 4 | 11 | 23 | 22 | 0 | 0 | 0 | 2 | | | |
| 3 | 10 | 22 | 21 | 0 | 0 | 0 | 1 | | | |
| 2 | 9 | 21 | 20 | 0 | 0 | 0 | 0 | | | |
| 1 | 8 | 20 | 19 | 0 | 0 | 0 | 0 | | | |

COMPREHENSIVE TESTS OF BASIC SKILLS (CIBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) | | ITRS (71 ED.) | | MAT (70 ED.) | | STEP-II (69 ED.) | | SRA (71 ED.) | | SAT (64 ED.) | |
|-----------|-------------------|--------------------|--------------------|-------------------|----------------------|---------------|-------------------|---------------|----------------|---------------|--------------------------|---------------|
| | LEVEL 3 FORM A | LEVEL 10 FORM B | LEVEL 10 FORM A | LEVEL 4 FORM A | ELEMENTARY FORM F | TOTAL READING | LEVEL 4 FORM A | TOTAL READING | ALUE FORM E | TOTAL READING | INTERMEDIATE I FORM W | TOTAL READING |
| 44 | 39 | 44 | 61 | 28 | 28 | 38 | 42 | | | | | |
| 43 | 38 | 43 | 28 | 28 | 41 | 38 | 41 | | | | | |
| 42 | 37 | 42 | 59 | 27 | 37 | 37 | 40 | | | | | |
| 41 | 36 | 41 | 57 | 27 | 36 | 36 | 39 | | | | | |
| 40 | 36 | 40 | 56 | 26 | 35 | 35 | 38 | | | | | |
| 39 | 35 | 39 | 55 | 26 | 34 | 34 | 37 | | | | | |
| 38 | 34 | 38 | 54 | 25 | 33 | 33 | 36 | | | | | |
| 37 | 33 | 37 | 52 | 25 | 32 | 32 | 35 | | | | | |
| 36 | 33 | 36 | 51 | 24 | 32 | 32 | 34 | | | | | |
| 35 | 32 | 35 | 49 | 23 | 31 | 31 | 34 | | | | | |
| 34 | 31 | 34 | 48 | 23 | 30 | 30 | 33 | | | | | |
| 33 | 31 | 33 | 46 | 22 | 29 | 29 | 32 | | | | | |
| 32 | 30 | 32 | 45 | 22 | 28 | 28 | 31 | | | | | |
| 31 | 29 | 32 | 43 | 21 | 28 | 28 | 30 | | | | | |
| 30 | 29 | 31 | 41 | 21 | 27 | 27 | 29 | | | | | |
| 29 | 27 | 30 | 40 | 20 | 26 | 26 | 29 | | | | | |
| 28 | 26 | 29 | 38 | 19 | 26 | 26 | 29 | | | | | |
| 27 | 25 | 28 | 36 | 19 | 25 | 25 | 27 | | | | | |
| 26 | 25 | 28 | 34 | 18 | 24 | 24 | 26 | | | | | |
| 25 | 24 | 27 | 32 | 17 | 23 | 23 | 25 | | | | | |
| 24 | 23 | 26 | 31 | 17 | 23 | 23 | 24 | | | | | |
| 23 | 21 | 25 | 29 | 16 | 22 | 22 | 23 | | | | | |
| 22 | 21 | 24 | 27 | 15 | 21 | 21 | 22 | | | | | |
| 21 | 20 | 24 | 26 | 15 | 20 | 20 | 21 | | | | | |
| 20 | 19 | 23 | 24 | 14 | 19 | 19 | 20 | | | | | |
| 19 | 18 | 22 | 23 | 13 | 18 | 18 | 19 | | | | | |
| 18 | 17 | 21 | 21 | 12 | 17 | 17 | 18 | | | | | |
| 17 | 16 | 19 | 20 | 11 | 16 | 16 | 17 | | | | | |
| 16 | 15 | 18 | 18 | 10 | 15 | 15 | 16 | | | | | |
| 15 | 14 | 17 | 17 | 10 | 14 | 14 | 15 | | | | | |
| 14 | 13 | 16 | 16 | 9 | 13 | 13 | 14 | | | | | |
| 13 | 12 | 15 | 15 | 8 | 12 | 12 | 13 | | | | | |
| 12 | 12 | 13 | 14 | 8 | 11 | 11 | 12 | | | | | |
| 11 | 11 | 12 | 13 | 7 | 10 | 10 | 11 | | | | | |
| 10 | 10 | 11 | 12 | 7 | 9 | 9 | 10 | | | | | |
| 9 | 9 | 10 | 12 | 6 | 8 | 8 | 9 | | | | | |
| 8 | 8 | 9 | 11 | 6 | 7 | 7 | 8 | | | | | |
| 7 | 7 | 8 | 10 | 5 | 6 | 6 | 7 | | | | | |
| 6 | 7 | 7 | 9 | 5 | 5 | 5 | 6 | | | | | |
| 5 | 6 | 6 | 9 | 4 | 4 | 4 | 5 | | | | | |
| 4 | 6 | 5 | 8 | 4 | 4 | 4 | 4 | | | | | |
| 3 | 4 | 4 | 7 | 4 | 4 | 4 | 3 | | | | | |

TABLE 163. ANCHOR TEST EQUATING STUDY: GRADE 4

COMPREHENSIVE TESTS OF BASIC SKILLS (CTBS) READING, 1968 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| CTBS (69 ED.) LEVEL 2 FORM Q TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | ITRS (71 ED.) LEVEL 3 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) ALPH FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING |
|---|--|---|---|--|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 3 | 5 | 4 | 7 | 3 | 3 | 2 |
| 2 | 4 | 3 | 6 | 3 | 2 | 1 |
| 1 | 4 | 2 | 6 | 2 | 2 | 1 |
| 0 | 3 | 1 | 5 | 2 | 1 | 0 |

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTRS (68 ED.) LEVEL 2 FORM Q | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 65 | 51 | 59 | 77 | 38 | 38 | 56 | 57 | | | | | |
| 64 | 51 | 58 | 76 | 37 | 37 | 55 | 57 | | | | | |
| 63 | 50 | 58 | 76 | 37 | 37 | 54 | 56 | | | | | |
| 62 | 49 | 57 | 75 | 36 | 36 | 53 | 55 | | | | | |
| 61 | 48 | 56 | 74 | 36 | 36 | 52 | 54 | | | | | |
| 60 | 47 | 55 | 74 | 35 | 35 | 51 | 53 | | | | | |
| 59 | 47 | 55 | 73 | 35 | 35 | 50 | 53 | | | | | |
| 58 | 47 | 54 | 72 | 35 | 35 | 49 | 52 | | | | | |
| 57 | 46 | 53 | 72 | 34 | 34 | 49 | 51 | | | | | |
| 56 | 46 | 53 | 71 | 34 | 34 | 48 | 50 | | | | | |
| 55 | 45 | 52 | 70 | 33 | 33 | 47 | 50 | | | | | |
| 54 | 44 | 51 | 70 | 33 | 33 | 46 | 49 | | | | | |
| 53 | 44 | 51 | 69 | 32 | 32 | 45 | 48 | | | | | |
| 52 | 43 | 50 | 68 | 32 | 32 | 44 | 47 | | | | | |
| 51 | 43 | 49 | 67 | 31 | 31 | 44 | 47 | | | | | |
| 50 | 42 | 48 | 66 | 31 | 31 | 43 | 46 | | | | | |
| 49 | 42 | 48 | 66 | 31 | 31 | 42 | 45 | | | | | |
| 48 | 41 | 47 | 65 | 30 | 30 | 41 | 44 | | | | | |
| 47 | 40 | 46 | 64 | 30 | 30 | 41 | 44 | | | | | |
| 46 | 40 | 45 | 63 | 29 | 29 | 40 | 43 | | | | | |
| 45 | 39 | 45 | 62 | 29 | 29 | 39 | 42 | | | | | |
| 44 | 38 | 44 | 61 | 28 | 28 | 39 | 41 | | | | | |
| 43 | 38 | 43 | 60 | 28 | 28 | 37 | 41 | | | | | |
| 42 | 37 | 42 | 59 | 27 | 27 | 37 | 40 | | | | | |
| 41 | 37 | 41 | 58 | 27 | 27 | 36 | 39 | | | | | |
| 40 | 36 | 40 | 57 | 26 | 26 | 35 | 38 | | | | | |
| 39 | 35 | 39 | 56 | 26 | 26 | 34 | 37 | | | | | |
| 38 | 34 | 38 | 54 | 25 | 25 | 34 | 36 | | | | | |
| 37 | 34 | 37 | 53 | 25 | 25 | 33 | 35 | | | | | |
| 36 | 33 | 36 | 51 | 24 | 24 | 32 | 35 | | | | | |
| 35 | 32 | 35 | 50 | 23 | 23 | 31 | 34 | | | | | |
| 34 | 31 | 34 | 48 | 23 | 23 | 30 | 33 | | | | | |
| 33 | 30 | 33 | 46 | 22 | 22 | 29 | 32 | | | | | |
| 32 | 30 | 32 | 44 | 22 | 22 | 28 | 31 | | | | | |
| 31 | 29 | 31 | 42 | 21 | 21 | 27 | 30 | | | | | |
| 29 | 28 | 29 | 40 | 20 | 20 | 26 | 29 | | | | | |
| 28 | 27 | 28 | 37 | 19 | 19 | 25 | 28 | | | | | |
| 27 | 26 | 27 | 35 | 18 | 18 | 24 | 26 | | | | | |
| 26 | 25 | 26 | 33 | 17 | 17 | 24 | 25 | | | | | |
| 25 | 24 | 25 | 30 | 17 | 17 | 22 | 24 | | | | | |
| 24 | 23 | 24 | 28 | 16 | 16 | 21 | 23 | | | | | |

TABLE 164. ANCHOR TEST EQUATING STUDY: GRADE 4

IOWA TEST OF BASIC SKILLS (ITBS) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| ITBS (71 ED.) LEVEL 10 FORM 5 | CAT (70 ED.) LEVEL 3 FORM A | CTRS (68 ED.) LEVEL 2 FORM C | MAT (70 ED.) ELEMENTARY FORM F | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-------------------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | | | | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 24 | 22 | 27 | 15 | 21 | 22 | 21 | 22 | 22 | 22 |
| 23 | 19 | 25 | 14 | 20 | 21 | 20 | 21 | 21 | 21 |
| 22 | 18 | 23 | 13 | 19 | 20 | 19 | 20 | 20 | 20 |
| 21 | 17 | 22 | 13 | 18 | 19 | 18 | 19 | 19 | 19 |
| 20 | 16 | 20 | 12 | 17 | 18 | 17 | 18 | 18 | 18 |
| 19 | 15 | 19 | 11 | 16 | 17 | 16 | 17 | 17 | 17 |
| 18 | 14 | 18 | 10 | 15 | 16 | 15 | 16 | 16 | 16 |
| 17 | 15 | 17 | 10 | 14 | 15 | 14 | 15 | 15 | 15 |
| 16 | 14 | 16 | 9 | 13 | 14 | 13 | 14 | 14 | 14 |
| 15 | 14 | 15 | 9 | 12 | 13 | 12 | 13 | 13 | 13 |
| 14 | 13 | 15 | 8 | 11 | 12 | 11 | 12 | 12 | 12 |
| 13 | 12 | 14 | 8 | 11 | 11 | 10 | 11 | 11 | 11 |
| 12 | 11 | 13 | 7 | 10 | 10 | 9 | 10 | 10 | 10 |
| 11 | 10 | 12 | 7 | 9 | 9 | 8 | 9 | 9 | 9 |
| 10 | 9 | 12 | 6 | 8 | 8 | 7 | 8 | 8 | 8 |
| 9 | 8 | 11 | 6 | 7 | 7 | 6 | 7 | 7 | 7 |
| 8 | 7 | 10 | 5 | 6 | 6 | 5 | 6 | 6 | 6 |
| 7 | 6 | 10 | 5 | 5 | 5 | 4 | 5 | 5 | 5 |
| 6 | 5 | 9 | 4 | 4 | 4 | 3 | 4 | 4 | 4 |
| 5 | 4 | 8 | 4 | 4 | 4 | 3 | 4 | 4 | 4 |
| 4 | 3 | 7 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| 3 | 2 | 7 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2 | 1 | 6 | 2 | 2 | 2 | 1 | 2 | 2 | 2 |
| 1 | 1 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0 | 0 | 4 | 1 | 1 | 1 | 0 | 1 | 1 | 0 |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) ELEMENTARY FORM F | | CTRS (68 ED.) LEVEL 3 FORM C | | JTBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|--------------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 95 | 81 | 84 | 103 | 60 | 90 | 97 | | | | | | |
| 94 | 80 | 82 | 101 | 58 | 87 | 94 | | | | | | |
| 93 | 78 | 81 | 98 | 57 | 85 | 91 | | | | | | |
| 92 | 76 | 79 | 96 | 55 | 83 | 88 | | | | | | |
| 91 | 74 | 78 | 93 | 54 | 82 | 85 | | | | | | |
| 90 | 71 | 76 | 91 | 53 | 80 | 82 | | | | | | |
| 89 | 69 | 75 | 89 | 51 | 78 | 80 | | | | | | |
| 88 | 67 | 73 | 86 | 50 | 76 | 78 | | | | | | |
| 87 | 65 | 72 | 84 | 49 | 74 | 75 | | | | | | |
| 86 | 63 | 70 | 81 | 47 | 72 | 73 | | | | | | |
| 85 | 62 | 69 | 79 | 46 | 70 | 71 | | | | | | |
| 84 | 60 | 67 | 77 | 45 | 68 | 68 | | | | | | |
| 83 | 58 | 66 | 75 | 43 | 65 | 66 | | | | | | |
| 82 | 57 | 65 | 74 | 42 | 64 | 65 | | | | | | |
| 81 | 56 | 63 | 71 | 41 | 62 | 63 | | | | | | |
| 80 | 54 | 62 | 70 | 40 | 60 | 61 | | | | | | |
| 79 | 53 | 61 | 68 | 39 | 58 | 60 | | | | | | |
| 78 | 52 | 60 | 67 | 39 | 57 | 59 | | | | | | |
| 77 | 51 | 59 | 65 | 38 | 56 | 57 | | | | | | |
| 76 | 50 | 58 | 63 | 37 | 54 | 56 | | | | | | |
| 75 | 49 | 57 | 62 | 36 | 53 | 55 | | | | | | |
| 74 | 48 | 56 | 60 | 36 | 51 | 54 | | | | | | |
| 73 | 47 | 55 | 59 | 35 | 50 | 53 | | | | | | |
| 72 | 46 | 54 | 58 | 34 | 49 | 52 | | | | | | |
| 71 | 46 | 53 | 56 | 34 | 48 | 50 | | | | | | |
| 70 | 45 | 52 | 55 | 33 | 47 | 49 | | | | | | |
| 69 | 44 | 51 | 53 | 32 | 45 | 48 | | | | | | |
| 68 | 43 | 50 | 52 | 32 | 44 | 47 | | | | | | |
| 67 | 43 | 49 | 51 | 31 | 44 | 46 | | | | | | |
| 66 | 42 | 48 | 50 | 31 | 43 | 46 | | | | | | |
| 65 | 41 | 47 | 49 | 30 | 42 | 45 | | | | | | |
| 64 | 41 | 46 | 47 | 30 | 41 | 44 | | | | | | |
| 63 | 40 | 46 | 46 | 29 | 40 | 43 | | | | | | |
| 62 | 39 | 45 | 45 | 29 | 39 | 42 | | | | | | |
| 61 | 39 | 44 | 44 | 28 | 38 | 42 | | | | | | |
| 60 | 38 | 43 | 43 | 28 | 38 | 41 | | | | | | |
| 59 | 37 | 42 | 42 | 28 | 37 | 40 | | | | | | |
| 58 | 37 | 42 | 41 | 27 | 36 | 39 | | | | | | |
| 57 | 36 | 41 | 40 | 27 | 35 | 38 | | | | | | |
| 56 | 36 | 40 | 40 | 26 | 35 | 38 | | | | | | |
| 55 | 35 | 39 | 39 | 26 | 34 | 37 | | | | | | |

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | STEP-II (69 ED.) LEVEL 4 FORM A | SRA (71 ED.) BLUE FORM E | SAT (64 ED.) INTERMEDIATE I FORM M | TOTAL READING | | TOTAL READING | |
|--------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------------------------------|--------------------------------|--|------------------|------------------|------------------|------------------|
| | | | | | | | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 54 | 34 | 38 | 38 | 25 | 34 | 36 | | | | |
| 53 | 34 | 39 | 37 | 25 | 33 | 36 | | | | |
| 52 | 33 | 37 | 37 | 24 | 32 | 35 | | | | |
| 51 | 33 | 36 | 36 | 24 | 32 | 35 | | | | |
| 50 | 32 | 36 | 35 | 24 | 31 | 34 | | | | |
| 49 | 32 | 35 | 35 | 23 | 31 | 33 | | | | |
| 48 | 31 | 34 | 34 | 23 | 30 | 33 | | | | |
| 47 | 31 | 34 | 34 | 23 | 30 | 32 | | | | |
| 46 | 30 | 33 | 33 | 22 | 29 | 32 | | | | |
| 45 | 30 | 32 | 33 | 22 | 29 | 31 | | | | |
| 44 | 29 | 32 | 32 | 22 | 28 | 31 | | | | |
| 43 | 29 | 31 | 32 | 21 | 28 | 30 | | | | |
| 42 | 29 | 31 | 31 | 21 | 27 | 30 | | | | |
| 41 | 28 | 30 | 31 | 20 | 27 | 29 | | | | |
| 40 | 27 | 29 | 30 | 20 | 26 | 29 | | | | |
| 39 | 27 | 29 | 30 | 20 | 26 | 28 | | | | |
| 38 | 26 | 28 | 29 | 19 | 26 | 28 | | | | |
| 37 | 26 | 28 | 29 | 19 | 25 | 27 | | | | |
| 36 | 25 | 27 | 28 | 19 | 25 | 27 | | | | |
| 35 | 25 | 27 | 28 | 18 | 24 | 26 | | | | |
| 34 | 24 | 26 | 28 | 18 | 24 | 26 | | | | |
| 33 | 24 | 25 | 27 | 18 | 24 | 25 | | | | |
| 32 | 23 | 25 | 27 | 17 | 23 | 25 | | | | |
| 31 | 23 | 24 | 26 | 17 | 23 | 25 | | | | |
| 30 | 22 | 24 | 26 | 16 | 22 | 24 | | | | |
| 29 | 22 | 23 | 25 | 16 | 22 | 23 | | | | |
| 28 | 21 | 23 | 25 | 16 | 21 | 23 | | | | |
| 27 | 21 | 22 | 24 | 15 | 21 | 22 | | | | |
| 26 | 20 | 21 | 24 | 15 | 20 | 22 | | | | |
| 25 | 19 | 21 | 23 | 14 | 20 | 21 | | | | |
| 24 | 19 | 20 | 23 | 14 | 19 | 20 | | | | |
| 23 | 19 | 19 | 22 | 13 | 19 | 20 | | | | |
| 22 | 17 | 19 | 21 | 13 | 18 | 19 | | | | |
| 21 | 17 | 18 | 21 | 12 | 17 | 18 | | | | |
| 20 | 16 | 17 | 20 | 11 | 16 | 17 | | | | |
| 19 | 15 | 17 | 19 | 11 | 15 | 16 | | | | |
| 18 | 14 | 16 | 18 | 10 | 15 | 15 | | | | |
| 17 | 14 | 15 | 17 | 10 | 14 | 14 | | | | |
| 16 | 13 | 14 | 16 | 9 | 13 | 13 | | | | |
| 15 | 13 | 13 | 15 | 9 | 12 | 11 | | | | |
| 14 | 12 | 12 | 13 | 8 | 11 | 10 | | | | |

TABLE 165. ANCHOR TEST EQUATING STUDY: GRADE 4

METROPOLITAN ACHIEVEMENT (MAT) READING, 1970 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | CAT (70 ED.) LEVEL 2 FORM A TOTAL READING | | CTPS (68 ED.) LEVEL 2 FORM C TOTAL READING | | ITPS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | | SRA (71 ED.) BLUE FORM E TOTAL READING | | SAT (64 ED.) INTERMEDIATE J FORM M TOTAL READING | |
|---|------------------|--|------------------|---|------------------|--|------------------|--|------------------|---|------------------|---|------------------|
| RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE | RAW SCORE | EQUIVALENT SCORE |
| 13 | 11 | 11 | 12 | 12 | 7 | 10 | 10 | 7 | 10 | 9 | 9 | 9 | 9 |
| 12 | 10 | 10 | 11 | 11 | 7 | 9 | 9 | 7 | 9 | 8 | 8 | 8 | 8 |
| 11 | 9 | 9 | 8 | 8 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| 10 | 8 | 7 | 7 | 7 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| 9 | 7 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| 8 | 6 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 7 | 5 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 6 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTRS (68 ED.) LEVEL 2 FORM C TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM M TOTAL READING |
|--|--|---|--|---|---|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 60 | 82 | 85 | 104 | 95 | 90 | 98 |
| 59 | 80 | 83 | 102 | 95 | 89 | 96 |
| 58 | 79 | 82 | 101 | 94 | 87 | 93 |
| 57 | 78 | 81 | 99 | 93 | 86 | 91 |
| 56 | 77 | 80 | 97 | 92 | 85 | 89 |
| 55 | 76 | 79 | 95 | 92 | 83 | 88 |
| 54 | 74 | 78 | 94 | 91 | 82 | 86 |
| 53 | 72 | 77 | 92 | 90 | 81 | 83 |
| 52 | 71 | 76 | 90 | 90 | 79 | 81 |
| 51 | 69 | 74 | 88 | 89 | 77 | 80 |
| 50 | 68 | 73 | 87 | 88 | 76 | 79 |
| 49 | 66 | 72 | 85 | 87 | 74 | 76 |
| 48 | 65 | 71 | 83 | 87 | 73 | 74 |
| 47 | 63 | 70 | 81 | 86 | 71 | 72 |
| 46 | 62 | 69 | 80 | 85 | 70 | 71 |
| 45 | 61 | 68 | 78 | 84 | 68 | 69 |
| 44 | 59 | 67 | 76 | 84 | 67 | 68 |
| 43 | 58 | 66 | 74 | 83 | 65 | 66 |
| 42 | 57 | 64 | 73 | 82 | 63 | 64 |
| 41 | 55 | 63 | 71 | 81 | 61 | 63 |
| 40 | 54 | 62 | 69 | 80 | 60 | 61 |
| 39 | 53 | 61 | 67 | 79 | 58 | 59 |
| 38 | 52 | 59 | 66 | 77 | 56 | 58 |
| 37 | 50 | 58 | 64 | 76 | 54 | 56 |
| 36 | 49 | 56 | 61 | 75 | 52 | 54 |
| 35 | 48 | 55 | 59 | 73 | 50 | 53 |
| 34 | 46 | 54 | 57 | 72 | 49 | 51 |
| 33 | 45 | 52 | 55 | 70 | 47 | 50 |
| 32 | 44 | 50 | 53 | 69 | 45 | 48 |
| 31 | 42 | 49 | 50 | 67 | 43 | 46 |
| 30 | 41 | 47 | 48 | 65 | 41 | 44 |
| 29 | 39 | 45 | 46 | 62 | 39 | 43 |
| 28 | 38 | 43 | 44 | 60 | 38 | 41 |
| 27 | 37 | 42 | 41 | 58 | 36 | 39 |
| 26 | 35 | 40 | 39 | 56 | 35 | 38 |
| 25 | 34 | 38 | 38 | 54 | 33 | 36 |
| 24 | 33 | 36 | 36 | 51 | 32 | 35 |
| 23 | 32 | 34 | 34 | 48 | 30 | 33 |
| 22 | 30 | 33 | 33 | 46 | 29 | 32 |
| 21 | 29 | 31 | 31 | 43 | 28 | 30 |
| 20 | 27 | 29 | 30 | 40 | 26 | 29 |

SEQUENTIAL TESTS OF EDUCATIONAL PROGRESS SERIES II (STEP-II) READING, 1969 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| STEP-II (69 ED.) LEVEL 4 FORM A | CAT (70 ED.) LEVEL 3 FORM A | CTBS (68 ED.) LEVEL 2 FORM C | ITBS (71 ED.) LEVEL 10 FORM 5 | MAT (70 ED.) ELEMENTARY FORM F | SRA (71 ED.) BLUE FORM E | SA* (64 ED.) INTERMEDIATE I FORM H |
|---------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------|--|
| TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING |
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 19 | 26 | 28 | 29 | 37 | 25 | 27 |
| 18 | 25 | 26 | 28 | 34 | 24 | 26 |
| 17 | 23 | 25 | 27 | 32 | 23 | 25 |
| 16 | 22 | 23 | 25 | 29 | 22 | 23 |
| 15 | 20 | 22 | 24 | 27 | 21 | 22 |
| 14 | 19 | 20 | 23 | 25 | 19 | 21 |
| 13 | 18 | 19 | 22 | 23 | 18 | 19 |
| 12 | 17 | 18 | 21 | 21 | 17 | 18 |
| 11 | 16 | 17 | 19 | 20 | 16 | 17 |
| 10 | 14 | 16 | 18 | 18 | 14 | 15 |
| 9 | 13 | 14 | 16 | 16 | 13 | 13 |
| 9 | 12 | 12 | 14 | 14 | 11 | 11 |
| 7 | 11 | 11 | 12 | 13 | 10 | 9 |
| 6 | 9 | 9 | 10 | 11 | 8 | 7 |
| 5 | 8 | 7 | 8 | 10 | 6 | 6 |
| 4 | 6 | 5 | 6 | 8 | 4 | 4 |
| 3 | 5 | 3 | 3 | 7 | 3 | 2 |
| 2 | 4 | 1 | 2 | 5 | 1 | 1 |
| 1 | 2 | 0 | 1 | 4 | 0 | 0 |
| 0 | 1 | 0 | 0 | 3 | 0 | 0 |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| RAW SCORE | CAT (70 ED.) | | CTBS (68 ED.) | | ITBS (71 ED.) | | MAY (70 ED.) | | STEP-II (69 ED.) | | SAT (64 ED.) | |
|-----------|------------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|---------------------------------------|------------------|------------------------------------|------------------|---|--|
| | LEVEL 3 FORM A TOTAL READING | EQUIVALENT SCORE | LEVEL 2 FORM C TOTAL READING | EQUIVALENT SCORE | LEVEL 1D FORM 5 TOTAL READING | EQUIVALENT SCORE | ELEMENTARY FORM F TOTAL READING | EQUIVALENT SCORE | LEVEL 4 FORM A TOTAL READING | EQUIVALENT SCORE | INTERMEDIATE I FORM W TOTAL READING | |
| 90 | 82 | 95 | 104 | 95 | 104 | 95 | 104 | 95 | 60 | 60 | 98 | |
| 89 | 81 | 84 | 103 | 84 | 103 | 84 | 103 | 84 | 59 | 59 | 96 | |
| 88 | 80 | 83 | 102 | 83 | 102 | 83 | 102 | 83 | 59 | 59 | 95 | |
| 87 | 79 | 82 | 100 | 82 | 100 | 82 | 100 | 82 | 58 | 58 | 93 | |
| 86 | 78 | 81 | 99 | 81 | 99 | 81 | 99 | 81 | 57 | 57 | 92 | |
| 85 | 76 | 81 | 98 | 81 | 98 | 81 | 98 | 81 | 56 | 56 | 90 | |
| 84 | 77 | 80 | 96 | 80 | 96 | 80 | 96 | 80 | 56 | 56 | 89 | |
| 83 | 75 | 79 | 95 | 79 | 95 | 79 | 95 | 79 | 55 | 55 | 87 | |
| 82 | 74 | 78 | 94 | 78 | 94 | 78 | 94 | 78 | 54 | 54 | 86 | |
| 81 | 73 | 77 | 92 | 77 | 92 | 77 | 92 | 77 | 53 | 53 | 84 | |
| 80 | 72 | 76 | 91 | 76 | 91 | 76 | 91 | 76 | 53 | 53 | 83 | |
| 79 | 71 | 75 | 90 | 75 | 90 | 75 | 90 | 75 | 52 | 52 | 81 | |
| 78 | 70 | 74 | 89 | 74 | 89 | 74 | 89 | 74 | 51 | 51 | 80 | |
| 77 | 69 | 74 | 88 | 74 | 88 | 74 | 88 | 74 | 51 | 51 | 79 | |
| 76 | 68 | 73 | 87 | 73 | 87 | 73 | 87 | 73 | 50 | 50 | 78 | |
| 75 | 67 | 72 | 86 | 72 | 86 | 72 | 86 | 72 | 50 | 50 | 77 | |
| 74 | 66 | 72 | 84 | 72 | 84 | 72 | 84 | 72 | 49 | 49 | 76 | |
| 73 | 65 | 71 | 83 | 71 | 83 | 71 | 83 | 71 | 49 | 49 | 75 | |
| 72 | 64 | 70 | 82 | 70 | 82 | 70 | 82 | 70 | 48 | 48 | 73 | |
| 71 | 63 | 70 | 81 | 70 | 81 | 70 | 81 | 70 | 47 | 47 | 72 | |
| 70 | 62 | 69 | 80 | 69 | 80 | 69 | 80 | 69 | 46 | 46 | 71 | |
| 69 | 61 | 68 | 79 | 68 | 79 | 68 | 79 | 68 | 46 | 46 | 71 | |
| 68 | 60 | 68 | 78 | 68 | 78 | 68 | 78 | 68 | 45 | 45 | 70 | |
| 67 | 60 | 67 | 77 | 67 | 77 | 67 | 77 | 67 | 45 | 45 | 69 | |
| 66 | 59 | 66 | 76 | 66 | 76 | 66 | 76 | 66 | 44 | 44 | 68 | |
| 65 | 59 | 65 | 76 | 65 | 76 | 65 | 76 | 65 | 44 | 44 | 67 | |
| 64 | 58 | 65 | 75 | 65 | 75 | 65 | 75 | 65 | 43 | 43 | 66 | |
| 63 | 57 | 64 | 74 | 64 | 74 | 64 | 74 | 64 | 43 | 43 | 65 | |
| 62 | 57 | 64 | 73 | 64 | 73 | 64 | 73 | 64 | 42 | 42 | 64 | |
| 61 | 56 | 63 | 72 | 63 | 72 | 63 | 72 | 63 | 41 | 41 | 63 | |
| 60 | 55 | 63 | 71 | 63 | 71 | 63 | 71 | 63 | 41 | 41 | 62 | |
| 59 | 54 | 62 | 70 | 62 | 70 | 62 | 70 | 62 | 40 | 40 | 61 | |
| 58 | 54 | 62 | 69 | 62 | 69 | 62 | 69 | 62 | 40 | 40 | 60 | |
| 57 | 53 | 61 | 68 | 61 | 68 | 61 | 68 | 61 | 39 | 39 | 60 | |
| 56 | 52 | 60 | 67 | 60 | 67 | 60 | 67 | 60 | 39 | 39 | 59 | |
| 55 | 51 | 59 | 66 | 59 | 66 | 59 | 66 | 59 | 38 | 38 | 59 | |
| 54 | 50 | 58 | 65 | 58 | 65 | 58 | 65 | 58 | 38 | 38 | 57 | |
| 53 | 49 | 57 | 63 | 57 | 63 | 57 | 63 | 57 | 37 | 37 | 56 | |
| 52 | 49 | 57 | 62 | 57 | 62 | 57 | 62 | 57 | 37 | 37 | 55 | |
| 51 | 48 | 56 | 61 | 56 | 61 | 56 | 61 | 56 | 36 | 36 | 54 | |
| 50 | 47 | 55 | 60 | 55 | 60 | 55 | 60 | 55 | 35 | 35 | 53 | |
| | | 55 | 59 | 55 | 59 | 55 | 59 | 55 | 35 | 35 | 53 | |

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| SRA (71 ED.) BLUE FORM E TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (58 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STP-II (69 ED.) LEVEL 4 FORM A | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|---|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|--------------------------------------|------------------|--|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 49 | 47 | 54 | 58 | 72 | 58 | 72 | 58 | 72 | 34 | 34 | 52 | 52 |
| 48 | 45 | 53 | 57 | 71 | 57 | 71 | 71 | 71 | 34 | 34 | 51 | 51 |
| 47 | 45 | 52 | 55 | 71 | 55 | 71 | 71 | 71 | 33 | 33 | 50 | 50 |
| 46 | 44 | 51 | 54 | 70 | 54 | 70 | 70 | 70 | 33 | 33 | 49 | 49 |
| 45 | 44 | 50 | 53 | 69 | 53 | 69 | 69 | 69 | 32 | 32 | 48 | 48 |
| 44 | 43 | 49 | 52 | 68 | 52 | 68 | 68 | 68 | 32 | 32 | 47 | 47 |
| 43 | 42 | 48 | 50 | 67 | 50 | 67 | 67 | 67 | 31 | 31 | 46 | 46 |
| 42 | 42 | 48 | 49 | 65 | 49 | 65 | 65 | 65 | 31 | 31 | 45 | 45 |
| 41 | 41 | 47 | 48 | 64 | 48 | 64 | 64 | 64 | 30 | 30 | 44 | 44 |
| 40 | 40 | 46 | 46 | 63 | 46 | 63 | 63 | 63 | 29 | 29 | 43 | 43 |
| 39 | 39 | 45 | 45 | 62 | 45 | 62 | 62 | 62 | 29 | 29 | 42 | 42 |
| 38 | 38 | 44 | 44 | 61 | 44 | 61 | 61 | 61 | 28 | 28 | 41 | 41 |
| 37 | 37 | 43 | 42 | 59 | 42 | 59 | 59 | 59 | 28 | 28 | 40 | 40 |
| 36 | 37 | 41 | 41 | 58 | 41 | 58 | 58 | 58 | 27 | 27 | 39 | 39 |
| 35 | 36 | 40 | 40 | 56 | 40 | 56 | 56 | 56 | 26 | 26 | 38 | 38 |
| 34 | 35 | 39 | 39 | 55 | 39 | 55 | 55 | 55 | 26 | 26 | 37 | 37 |
| 33 | 34 | 38 | 37 | 53 | 37 | 53 | 53 | 53 | 25 | 25 | 36 | 36 |
| 32 | 33 | 37 | 36 | 52 | 36 | 52 | 52 | 52 | 24 | 24 | 35 | 35 |
| 31 | 32 | 35 | 35 | 50 | 35 | 50 | 50 | 50 | 24 | 24 | 34 | 34 |
| 30 | 31 | 34 | 34 | 48 | 34 | 48 | 48 | 48 | 23 | 23 | 33 | 33 |
| 29 | 30 | 33 | 33 | 46 | 33 | 46 | 46 | 46 | 22 | 22 | 32 | 32 |
| 29 | 29 | 32 | 32 | 44 | 32 | 44 | 44 | 44 | 21 | 21 | 31 | 31 |
| 27 | 28 | 30 | 31 | 41 | 31 | 41 | 41 | 41 | 21 | 21 | 29 | 29 |
| 26 | 27 | 29 | 30 | 20 | 30 | 20 | 20 | 20 | 20 | 20 | 28 | 28 |
| 25 | 26 | 27 | 29 | 37 | 29 | 37 | 37 | 37 | 19 | 19 | 27 | 27 |
| 24 | 24 | 26 | 29 | 34 | 29 | 34 | 34 | 34 | 19 | 19 | 26 | 26 |
| 23 | 23 | 25 | 27 | 32 | 27 | 32 | 32 | 32 | 17 | 17 | 25 | 25 |
| 22 | 22 | 23 | 26 | 30 | 26 | 30 | 30 | 30 | 16 | 16 | 24 | 24 |
| 21 | 21 | 22 | 25 | 28 | 25 | 28 | 28 | 28 | 15 | 15 | 23 | 23 |
| 20 | 20 | 21 | 24 | 26 | 24 | 26 | 26 | 26 | 15 | 15 | 21 | 21 |
| 19 | 19 | 20 | 23 | 24 | 23 | 24 | 24 | 24 | 14 | 14 | 20 | 20 |
| 18 | 18 | 19 | 21 | 22 | 21 | 22 | 22 | 22 | 13 | 13 | 19 | 19 |
| 17 | 17 | 18 | 21 | 21 | 21 | 21 | 21 | 21 | 12 | 12 | 18 | 18 |
| 16 | 16 | 17 | 20 | 20 | 20 | 20 | 20 | 20 | 11 | 11 | 17 | 17 |
| 15 | 15 | 16 | 19 | 19 | 19 | 19 | 19 | 19 | 11 | 11 | 16 | 16 |
| 14 | 14 | 15 | 18 | 18 | 18 | 18 | 18 | 18 | 10 | 10 | 14 | 14 |
| 13 | 13 | 14 | 16 | 16 | 16 | 16 | 16 | 16 | 9 | 9 | 13 | 13 |
| 12 | 12 | 13 | 15 | 15 | 15 | 15 | 15 | 15 | 9 | 9 | 11 | 11 |
| 11 | 11 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 8 | 8 | 10 | 10 |
| 10 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 7 | 7 | 9 | 9 |
| 9 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 7 | 7 | 8 | 8 |

TABLE 167. ANCHOR TEST ADJUSTING STUDY: GRADE 4

SRA ACHIEVEMENT SERIES (SRA) READING, 1971 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| SRA (71 ED.) FORM E TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | CTBS (68 ED.) LEVEL 2 FORM C TOTAL READING | ITBS (71 ED.) LEVEL 1 FORM 5 TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SAT (64 ED.) INTERMEDIATE I FORM M TOTAL READING |
|---|--|---|---|---|--|---|
| RAW SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 9 | 9 | 9 | 10 | 11 | 6 | 7 |
| 7 | 8 | 8 | 9 | 11 | 6 | 6 |
| 6 | 7 | 7 | 7 | 10 | 5 | 5 |
| 5 | 5 | 5 | 6 | 9 | 4 | 4 |
| 4 | 4 | 4 | 5 | 8 | 4 | 3 |
| 3 | 3 | 3 | 4 | 7 | 3 | 2 |
| 2 | 2 | 2 | 3 | 6 | 3 | 1 |
| 1 | 2 | 2 | 2 | 5 | 2 | 1 |
| 0 | 1 | 1 | 2 | 4 | 1 | 1 |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM C | | ITBS (71 ED.) LEVEL 10 FORM 5 | | MAT (70 ED.) ELEMENTARY FORM F | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | |
|---|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|--------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|
| | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE | TOTAL READING | EQUIVALENT SCORE |
| 84 | 82 | 85 | 104 | 95 | 104 | 95 | 60 | 60 | 90 | 90 | | |
| 97 | 81 | 84 | 103 | 95 | 103 | 95 | 60 | 60 | 90 | 90 | | |
| 94 | 81 | 84 | 103 | 95 | 103 | 95 | 59 | 59 | 89 | 89 | | |
| 95 | 80 | 83 | 102 | 95 | 102 | 95 | 59 | 59 | 89 | 89 | | |
| 94 | 80 | 83 | 101 | 94 | 101 | 94 | 58 | 58 | 88 | 88 | | |
| 93 | 79 | 82 | 100 | 94 | 100 | 94 | 58 | 58 | 87 | 87 | | |
| 92 | 79 | 82 | 99 | 94 | 99 | 94 | 57 | 57 | 86 | 86 | | |
| 91 | 78 | 81 | 99 | 93 | 99 | 93 | 57 | 57 | 85 | 85 | | |
| 90 | 78 | 81 | 98 | 93 | 98 | 93 | 56 | 56 | 85 | 85 | | |
| 89 | 77 | 80 | 97 | 93 | 97 | 93 | 56 | 56 | 84 | 84 | | |
| 88 | 76 | 79 | 96 | 92 | 96 | 92 | 55 | 55 | 84 | 84 | | |
| 87 | 75 | 79 | 95 | 92 | 95 | 92 | 55 | 55 | 83 | 83 | | |
| 86 | 75 | 78 | 94 | 91 | 94 | 91 | 54 | 54 | 82 | 82 | | |
| 85 | 74 | 78 | 93 | 91 | 93 | 91 | 54 | 54 | 82 | 82 | | |
| 84 | 73 | 77 | 92 | 91 | 92 | 91 | 53 | 53 | 81 | 81 | | |
| 83 | 72 | 77 | 92 | 90 | 92 | 90 | 53 | 53 | 81 | 81 | | |
| 82 | 71 | 76 | 91 | 90 | 91 | 90 | 52 | 52 | 80 | 80 | | |
| 81 | 71 | 75 | 90 | 90 | 90 | 90 | 52 | 52 | 79 | 79 | | |
| 80 | 70 | 75 | 89 | 89 | 89 | 89 | 51 | 51 | 78 | 78 | | |
| 79 | 69 | 74 | 88 | 89 | 88 | 89 | 51 | 51 | 77 | 77 | | |
| 78 | 68 | 73 | 87 | 88 | 87 | 88 | 50 | 50 | 76 | 76 | | |
| 77 | 67 | 73 | 86 | 88 | 86 | 88 | 50 | 50 | 75 | 75 | | |
| 76 | 66 | 72 | 85 | 87 | 85 | 87 | 49 | 49 | 74 | 74 | | |
| 75 | 66 | 72 | 84 | 87 | 84 | 87 | 49 | 49 | 74 | 74 | | |
| 74 | 64 | 71 | 83 | 87 | 83 | 87 | 48 | 48 | 73 | 73 | | |
| 73 | 64 | 70 | 82 | 86 | 82 | 86 | 47 | 47 | 72 | 72 | | |
| 72 | 63 | 70 | 81 | 86 | 81 | 86 | 47 | 47 | 71 | 71 | | |
| 71 | 62 | 69 | 80 | 85 | 80 | 85 | 46 | 46 | 70 | 70 | | |
| 70 | 61 | 68 | 79 | 85 | 79 | 85 | 46 | 46 | 69 | 69 | | |
| 69 | 60 | 68 | 78 | 84 | 78 | 84 | 45 | 45 | 68 | 68 | | |
| 68 | 60 | 67 | 77 | 84 | 77 | 84 | 44 | 44 | 67 | 67 | | |
| 67 | 59 | 66 | 76 | 83 | 76 | 83 | 44 | 44 | 66 | 66 | | |
| 66 | 58 | 66 | 75 | 83 | 75 | 83 | 43 | 43 | 65 | 65 | | |
| 65 | 57 | 65 | 74 | 82 | 74 | 82 | 43 | 43 | 64 | 64 | | |
| 64 | 57 | 64 | 73 | 82 | 73 | 82 | 42 | 42 | 63 | 63 | | |
| 63 | 56 | 64 | 72 | 81 | 72 | 81 | 41 | 41 | 62 | 62 | | |
| 62 | 55 | 63 | 71 | 81 | 71 | 81 | 41 | 41 | 61 | 61 | | |
| 61 | 54 | 62 | 69 | 80 | 69 | 80 | 40 | 40 | 60 | 60 | | |
| 60 | 53 | 61 | 68 | 79 | 68 | 79 | 40 | 40 | 59 | 59 | | |
| 59 | 53 | 60 | 67 | 78 | 67 | 78 | 39 | 39 | 58 | 58 | | |
| 58 | 52 | 60 | 66 | 78 | 66 | 78 | 38 | 38 | 56 | 56 | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 EDITION: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM A TOTAL READING | CAT (70 ED.) LEVEL 3 FORM A TOTAL READING | | CTRS (68 ED.) LEVEL 2 FORM C TOTAL READING | | ITS (71 ED.) LEVEL 10 FORM 5 TOTAL READING | | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | | SRA (71 ED.) BLUE FORM E TOTAL READING | |
|---|--|------------------|---|------------------|---|------------------|---|------------------|--|------------------|---|------------------|
| | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE | EQUIVALENT SCORE |
| 27 | 51 | 59 | 65 | 77 | 38 | 55 | | | | | | |
| 28 | 50 | 58 | 63 | 76 | 37 | 54 | | | | | | |
| 29 | 49 | 57 | 62 | 75 | 36 | 53 | | | | | | |
| 30 | 48 | 56 | 61 | 74 | 35 | 52 | | | | | | |
| 31 | 47 | 55 | 60 | 73 | 34 | 51 | | | | | | |
| 32 | 46 | 54 | 58 | 72 | 33 | 50 | | | | | | |
| 33 | 45 | 53 | 57 | 71 | 32 | 49 | | | | | | |
| 34 | 44 | 52 | 56 | 70 | 31 | 48 | | | | | | |
| 35 | 43 | 51 | 55 | 69 | 30 | 47 | | | | | | |
| 36 | 42 | 50 | 54 | 68 | 29 | 46 | | | | | | |
| 37 | 41 | 49 | 53 | 67 | 28 | 45 | | | | | | |
| 38 | 40 | 48 | 52 | 66 | 27 | 44 | | | | | | |
| 39 | 39 | 47 | 51 | 65 | 26 | 43 | | | | | | |
| 40 | 38 | 46 | 50 | 64 | 25 | 42 | | | | | | |
| 41 | 37 | 45 | 49 | 63 | 24 | 41 | | | | | | |
| 42 | 36 | 44 | 48 | 62 | 23 | 40 | | | | | | |
| 43 | 35 | 43 | 47 | 61 | 22 | 39 | | | | | | |
| 44 | 34 | 42 | 46 | 60 | 21 | 38 | | | | | | |
| 45 | 33 | 41 | 45 | 59 | 20 | 37 | | | | | | |
| 46 | 32 | 40 | 44 | 58 | 19 | 36 | | | | | | |
| 47 | 31 | 39 | 43 | 57 | 18 | 35 | | | | | | |
| 48 | 30 | 38 | 42 | 56 | 17 | 34 | | | | | | |
| 49 | 29 | 37 | 41 | 55 | 16 | 33 | | | | | | |
| 50 | 28 | 36 | 40 | 54 | 15 | 32 | | | | | | |
| 51 | 27 | 35 | 39 | 53 | 14 | 31 | | | | | | |
| 52 | 26 | 34 | 38 | 52 | 13 | 30 | | | | | | |
| 53 | 25 | 33 | 37 | 51 | 12 | 29 | | | | | | |
| 54 | 24 | 32 | 36 | 50 | 11 | 28 | | | | | | |
| 55 | 23 | 31 | 35 | 49 | 10 | 27 | | | | | | |
| 56 | 22 | 30 | 34 | 48 | 9 | 26 | | | | | | |
| 57 | 21 | 29 | 33 | 47 | 8 | 25 | | | | | | |
| 58 | 20 | 28 | 32 | 46 | 7 | 24 | | | | | | |
| 59 | 19 | 27 | 31 | 45 | 6 | 23 | | | | | | |
| 60 | 18 | 26 | 30 | 44 | 5 | 22 | | | | | | |
| 61 | 17 | 25 | 29 | 43 | 4 | 21 | | | | | | |
| 62 | 16 | 24 | 28 | 42 | 3 | 20 | | | | | | |
| 63 | 15 | 23 | 27 | 41 | 2 | 19 | | | | | | |
| 64 | 14 | 22 | 26 | 40 | 1 | 18 | | | | | | |
| 65 | 13 | 21 | 25 | 39 | 0 | 17 | | | | | | |
| 66 | 12 | 20 | 24 | 38 | | 16 | | | | | | |
| 67 | 11 | 19 | 23 | 37 | | 15 | | | | | | |
| 68 | 10 | 18 | 22 | 36 | | 14 | | | | | | |
| 69 | 9 | 17 | 21 | 35 | | 13 | | | | | | |
| 70 | 8 | 16 | 20 | 34 | | 12 | | | | | | |
| 71 | 7 | 15 | 19 | 33 | | 11 | | | | | | |
| 72 | 6 | 14 | 18 | 32 | | 10 | | | | | | |
| 73 | 5 | 13 | 17 | 31 | | 9 | | | | | | |
| 74 | 4 | 12 | 16 | 30 | | 8 | | | | | | |
| 75 | 3 | 11 | 15 | 29 | | 7 | | | | | | |
| 76 | 2 | 10 | 14 | 28 | | 6 | | | | | | |
| 77 | 1 | 9 | 13 | 27 | | 5 | | | | | | |
| 78 | 0 | 8 | 12 | 26 | | 4 | | | | | | |
| 79 | | 7 | 11 | 25 | | 3 | | | | | | |
| 80 | | 6 | 10 | 24 | | 2 | | | | | | |
| 81 | | 5 | 9 | 23 | | 1 | | | | | | |
| 82 | | 4 | 8 | 22 | | 0 | | | | | | |
| 83 | | 3 | 7 | 21 | | | | | | | | |
| 84 | | 2 | 6 | 20 | | | | | | | | |
| 85 | | 1 | 5 | 19 | | | | | | | | |
| 86 | | 0 | 4 | 18 | | | | | | | | |
| 87 | | | 3 | 17 | | | | | | | | |
| 88 | | | 2 | 16 | | | | | | | | |
| 89 | | | 1 | 15 | | | | | | | | |
| 90 | | | 0 | 14 | | | | | | | | |
| 91 | | | | 13 | | | | | | | | |
| 92 | | | | 12 | | | | | | | | |
| 93 | | | | 11 | | | | | | | | |
| 94 | | | | 10 | | | | | | | | |
| 95 | | | | 9 | | | | | | | | |
| 96 | | | | 8 | | | | | | | | |
| 97 | | | | 7 | | | | | | | | |
| 98 | | | | 6 | | | | | | | | |
| 99 | | | | 5 | | | | | | | | |
| 100 | | | | 4 | | | | | | | | |

STANFORD ACHIEVEMENT TEST (SAT) READING, 1964 FOITTON: EQUIVALENT RAW SCORES FOR TOTAL READING

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE METHOD

| SAT (64 ED.) INTERMEDIATE I FORM W TOTAL READING | CAT (70 ED.) LEVEL 2 FORM A TOTAL READING | CIRS (69 ED.) LEVEL 2 FORM TOTAL READING | ITBS (71 ED.) LEVEL 10 FORM F TOTAL READING | MAT (70 ED.) ELEMENTARY FORM F TOTAL READING | STEP-II (69 ED.) LEVEL 4 FORM A TOTAL READING | SRA (71 ED.) BLUE FORM E TOTAL READING |
|---|--|---|--|---|--|---|
| | | | | | | |
| 15 | 16 | 19 | 19 | 19 | 11 | 15 |
| 14 | 16 | 19 | 19 | 18 | 10 | 14 |
| 14 | 15 | 17 | 17 | 17 | 10 | 14 |
| 13 | 14 | 16 | 16 | 16 | 9 | 13 |
| 12 | 14 | 15 | 15 | 16 | 9 | 13 |
| 11 | 13 | 14 | 14 | 15 | 9 | 12 |
| 10 | 12 | 13 | 13 | 14 | 9 | 11 |
| 9 | 11 | 12 | 12 | 13 | 7 | 10 |
| 8 | 10 | 11 | 11 | 12 | 7 | 9 |
| 7 | 9 | 10 | 10 | 11 | 6 | 8 |
| 6 | 7 | 9 | 9 | 10 | 5 | 7 |
| 5 | 7 | 7 | 7 | 10 | 5 | 6 |
| 4 | 5 | 6 | 6 | 9 | 4 | 5 |
| 3 | 4 | 5 | 5 | 8 | 4 | 4 |
| 2 | 3 | 3 | 3 | 7 | 3 | 3 |
| 1 | 2 | 2 | 2 | 6 | 2 | 2 |
| 0 | 1 | 1 | 1 | 5 | 2 | 1 |

LIST OF EQUATING ERROR TABLES AT GRADE 4

| Method | Table Numbers | | |
|---|---------------|-----------------------|---------------|
| | Vocabulary | Reading Comprehension | Total Reading |
| Procedure 1: Linear Method | 2077 | 2085 | 2093 |
| Procedure 1: Equipercentile Method | 2078 | 2086 | 2094 |
| Procedure 2: Linear Method | 2079 | 2087 | 2095 |
| Procedure 2: Equipercentile Method | 2080 | 2088 | 2096 |
| Procedure 3: Linear Method | 2081 | 2089 | 2097 |
| Procedure 3: Equipercentile Method | 2082 | 2090 | 2098 |
| Average of Procedures 1 and 2: Linear Method | 2083 | 2091 | 2099 |
| Average of Procedures 1 and 2: Equipercentile Method | 2084 | 2092 | 2100 |

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 1, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 | | CTBS (69 ED.) LEVEL 2 | | ITBS (71 ED.) LEVEL 4 | | STEP-II (69 ED.) LEVEL 4 | | SRA (71 ED.) BLUE | | SAT (64 ED.) INTERMEDIATE I | |
|-----------|-------------------------|-------|--------------------------|-------|--------------------------|-------|-----------------------------|-------|----------------------|-------|--------------------------------|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 42 | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 40 | 61.3 | .71 | 58.0 | .75 | | | | | 57.4 | .63 | | |
| 39 | 59.9 | .63 | 56.7 | .70 | | | | | 56.2 | .56 | | |
| 38 | 58.6 | .61 | 55.3 | .65 | 58.9 | .71 | | | 55.0 | .50 | 63.9 | .78 |
| 37 | 57.2 | .55 | 53.9 | .54 | 57.6 | .66 | | | 52.6 | .42 | 62.5 | .73 |
| 36 | 55.8 | .47 | 52.6 | .52 | 56.2 | .59 | | | 51.4 | .35 | 61.0 | .68 |
| 35 | 54.4 | .41 | 51.2 | .45 | 54.9 | .54 | | | 50.2 | .30 | 59.5 | .59 |
| 34 | 53.1 | .36 | 49.9 | .40 | 53.5 | .49 | | | 49.0 | .27 | 58.0 | .55 |
| 33 | 51.7 | .32 | 48.5 | .35 | 52.2 | .44 | | | 47.8 | .20 | 56.5 | .48 |
| 32 | 50.3 | .23 | 47.1 | .28 | 50.8 | .40 | | | 46.6 | .19 | 55.0 | .43 |
| 31 | 48.9 | .19 | 45.8 | .25 | 49.5 | .37 | | | 45.4 | .16 | 53.5 | .37 |
| 30 | 47.5 | .15 | 44.4 | .24 | 48.1 | .32 | 59.5 | .66 | 44.2 | .15 | 52.0 | .34 |
| 29 | 46.2 | .14 | 43.1 | .26 | 46.7 | .28 | 57.6 | .61 | 43.0 | .18 | 50.6 | .32 |
| 28 | 44.8 | .13 | 41.7 | .26 | 45.4 | .30 | 55.6 | .51 | 41.9 | .21 | 49.1 | .29 |
| 27 | 43.4 | .17 | 40.3 | .28 | 44.0 | .29 | 53.6 | .43 | 40.7 | .22 | 47.6 | .27 |
| 26 | 42.0 | .21 | 39.0 | .36 | 42.7 | .32 | 51.7 | .38 | 39.5 | .28 | 46.1 | .29 |
| 25 | 40.7 | .25 | 37.6 | .39 | 41.3 | .32 | 49.7 | .29 | 38.1 | .32 | 44.6 | .29 |
| 24 | 39.3 | .32 | 36.2 | .47 | 40.0 | .39 | 47.7 | .21 | 36.9 | .35 | 43.1 | .33 |
| 23 | 37.9 | .37 | 34.9 | .50 | 38.6 | .43 | 45.8 | .21 | 35.9 | .42 | 41.6 | .37 |
| 22 | 36.5 | .44 | 33.5 | .56 | 37.3 | .46 | 43.8 | .18 | 34.7 | .46 | 40.1 | .41 |
| 21 | 35.1 | .49 | 32.2 | .65 | 35.9 | .50 | 41.8 | .22 | 33.5 | .51 | 39.6 | .47 |
| 20 | 33.8 | .55 | 30.8 | .68 | 34.6 | .55 | 39.9 | .27 | 32.1 | .56 | 37.2 | .53 |
| 19 | 32.4 | .62 | 29.4 | .75 | 33.2 | .61 | 37.9 | .35 | 31.1 | .61 | 35.7 | .61 |
| 18 | 31.0 | .69 | 28.1 | .82 | 31.8 | .68 | 35.9 | .41 | 29.9 | .66 | 34.2 | .65 |
| 17 | 29.6 | .73 | 26.7 | .88 | 30.5 | .70 | 33.9 | .49 | 28.7 | .71 | 32.7 | .71 |
| 16 | 28.3 | .81 | 25.3 | .96 | 29.1 | .78 | 32.0 | .54 | 27.5 | .78 | 31.2 | .78 |
| 15 | 26.9 | .86 | 24.0 | 1.02 | 27.8 | .85 | 30.0 | .63 | 26.3 | .81 | 29.7 | .83 |
| 14 | 25.5 | .91 | 22.6 | 1.08 | 26.4 | .91 | 28.0 | .72 | 25.2 | .84 | 28.2 | .89 |
| 13 | 24.1 | .98 | 21.3 | 1.14 | 25.1 | .97 | 26.1 | .79 | 24.0 | .91 | 26.7 | .97 |
| 12 | 22.7 | 1.05 | 19.9 | 1.22 | 23.7 | 1.02 | 24.1 | .89 | 22.8 | .95 | 25.3 | 1.02 |
| 11 | 21.4 | 1.12 | 18.5 | 1.29 | 22.4 | 1.09 | 22.1 | .98 | 21.6 | 1.01 | 23.8 | 1.10 |
| 10 | 20.0 | 1.16 | 17.2 | 1.34 | 21.0 | 1.15 | 20.2 | 1.05 | 20.4 | 1.08 | 22.3 | 1.15 |
| 9 | 18.6 | 1.25 | 15.8 | 1.41 | 19.7 | 1.21 | 18.2 | 1.13 | 19.2 | 1.12 | 20.8 | 1.22 |
| 8 | 17.2 | 1.30 | 14.5 | 1.48 | 18.3 | 1.26 | 16.2 | 1.22 | 18.0 | 1.18 | 19.3 | 1.28 |
| 7 | 15.9 | 1.34 | 13.1 | 1.55 | 17.0 | 1.33 | 14.3 | 1.30 | 16.8 | 1.24 | 17.8 | 1.34 |
| 6 | 14.5 | 1.41 | 11.7 | 1.62 | 15.6 | 1.41 | 12.3 | 1.39 | 15.6 | 1.30 | 16.3 | 1.41 |
| 5 | 13.1 | 1.48 | 10.4 | 1.68 | 14.2 | 1.45 | 10.3 | 1.48 | 14.4 | 1.36 | 14.8 | 1.49 |
| 4 | 11.7 | 1.55 | 9.0 | 1.76 | 12.9 | 1.52 | 8.4 | 1.54 | 13.2 | 1.41 | 13.3 | 1.55 |
| 3 | 10.4 | 1.60 | 7.6 | 1.80 | 11.5 | 1.57 | 6.4 | 1.65 | 12.0 | 1.45 | 11.9 | 1.61 |
| 2 | 9.0 | 1.67 | 6.3 | 1.89 | 10.2 | 1.65 | 4.4 | 1.73 | 10.8 | 1.47 | 10.4 | 1.68 |

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 1, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | ITBS (71 ED.) LEVEL 1C FORM 5 VOCABULARY | | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE 1 FORM M WORD MEANING | |
|-----------|---|-------|--|-------|---|-------|--|-------|--|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 1 | 7.6 | 1.74 | 4.9 | 1.97 | 8.8 | 1.69 | 2.5 | 1.80 | 9.7 | 1.52 | 8.9 | 1.74 |
| 0 | 6.2 | 1.78 | 3.6 | 2.01 | 7.5 | 1.77 | .5 | 1.89 | 8.5 | 1.58 | 7.4 | 1.80 |

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 1, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | | ITBS (71 ED.) LEVEL 4 FORM S VOCABULARY | | | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | | | SRA (71 ED.) BLUE FORM E VOCABULARY | | | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANIN. | | |
|-----------|---|-------|--|--|-------|--|--|-------|--|--|-------|--|--|-------|--|--|-------|--|
| | MAT EQUIV. | ERROR | | MAT EQUIV. | ERROR | | MAT EQUIV. | ERROR | | MAT EQUIV. | ERROR | | MAT EQUIV. | ERROR | | MAT EQUIV. | ERROR | |
| 42 | | | | | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | | | |
| 40 | 50.4 | .05 | | 50.4 | .06 | | 50.4 | .06 | | 50.3 | .06 | | 49.1 | .11 | | 50.4 | .00 | |
| 39 | 50.1 | .06 | | 49.5 | .12 | | 49.5 | .12 | | 50.0 | .12 | | 48.5 | .09 | | 50.2 | .09 | |
| 38 | 49.6 | .07 | | 48.9 | .14 | | 48.9 | .14 | | 49.3 | .17 | | 47.9 | .10 | | 50.0 | .10 | |
| 37 | 49.1 | .07 | | 48.3 | .10 | | 48.3 | .10 | | 48.7 | .17 | | 46.9 | .10 | | 49.7 | .11 | |
| 36 | 48.6 | .12 | | 47.7 | .11 | | 47.7 | .11 | | 48.1 | .12 | | 46.5 | .10 | | 49.2 | .09 | |
| 35 | 48.2 | .08 | | 47.1 | .11 | | 47.1 | .11 | | 47.5 | .14 | | 45.6 | .15 | | 48.8 | .09 | |
| 34 | 47.8 | .07 | | 46.5 | .10 | | 46.5 | .10 | | 46.9 | .14 | | 45.1 | .14 | | 48.4 | .09 | |
| 33 | 47.3 | .10 | | 45.8 | .11 | | 45.8 | .11 | | 46.4 | .14 | | 44.5 | .10 | | 47.5 | .10 | |
| 32 | 46.9 | .09 | | 45.1 | .15 | | 45.1 | .15 | | 45.9 | .16 | | 43.9 | .12 | | 47.4 | .12 | |
| 31 | 46.4 | .08 | | 44.4 | .16 | | 44.4 | .16 | | 45.3 | .17 | | 43.3 | .07 | | 46.9 | .13 | |
| 30 | 45.9 | .12 | | 43.5 | .18 | | 43.5 | .18 | | 44.7 | .19 | | 42.7 | .13 | | 46.4 | .13 | |
| 29 | 45.3 | .13 | | 42.7 | .19 | | 42.7 | .19 | | 44.0 | .21 | | 42.1 | .12 | | 45.9 | .14 | |
| 28 | 44.7 | .14 | | 41.7 | .21 | | 41.7 | .21 | | 43.3 | .28 | | 41.6 | .11 | | 45.4 | .20 | |
| 27 | 44.1 | .13 | | 40.8 | .28 | | 40.8 | .28 | | 42.6 | .38 | | 41.1 | .17 | | 44.7 | .19 | |
| 26 | 43.3 | .15 | | 39.7 | .38 | | 39.7 | .38 | | 41.8 | .47 | | 40.1 | .24 | | 44.7 | .16 | |
| 25 | 42.5 | .15 | | 38.6 | .47 | | 38.6 | .47 | | 41.1 | .53 | | 38.5 | .37 | | 43.9 | .20 | |
| 24 | 41.6 | .14 | | 37.5 | .57 | | 37.5 | .57 | | 40.3 | .62 | | 36.5 | .41 | | 43.1 | .25 | |
| 23 | 40.7 | .12 | | 36.3 | .68 | | 36.3 | .68 | | 40.3 | .71 | | 35.1 | .41 | | 42.3 | .30 | |
| 22 | 39.7 | .21 | | 35.1 | .83 | | 35.1 | .83 | | 39.5 | .84 | | 34.0 | .31 | | 41.4 | .29 | |
| 21 | 38.7 | .33 | | 33.8 | .99 | | 33.8 | .99 | | 38.6 | .94 | | 33.1 | .31 | | 40.3 | .33 | |
| 20 | 37.4 | .40 | | 32.2 | 1.29 | | 32.2 | 1.29 | | 37.5 | 1.00 | | 32.1 | .31 | | 39.2 | .33 | |
| 19 | 36.2 | .48 | | 30.5 | 1.51 | | 30.5 | 1.51 | | 36.2 | 1.19 | | 31.1 | .33 | | 38.0 | .49 | |
| 18 | 34.9 | .53 | | 28.7 | 1.68 | | 28.7 | 1.68 | | 35.2 | 1.36 | | 30.5 | .41 | | 36.6 | .54 | |
| 17 | 33.3 | .57 | | 26.7 | 1.88 | | 26.7 | 1.88 | | 34.9 | 1.48 | | 29.1 | .46 | | 35.3 | .59 | |
| 16 | 31.3 | .73 | | 24.6 | 2.03 | | 24.6 | 2.03 | | 33.3 | 1.61 | | 28.5 | .86 | | 33.6 | .61 | |
| 15 | 29.1 | .99 | | 22.4 | 2.24 | | 22.4 | 2.24 | | 31.5 | 1.84 | | 26.0 | 1.04 | | 31.7 | .73 | |
| 14 | 26.7 | 1.29 | | 20.1 | 2.42 | | 20.1 | 2.42 | | 29.5 | 2.00 | | 23.1 | 1.35 | | 29.5 | .94 | |
| 13 | 24.2 | 1.51 | | 18.2 | 2.67 | | 18.2 | 2.67 | | 27.1 | 2.19 | | 20.4 | 1.11 | | 26.8 | 1.14 | |
| 12 | 21.7 | 1.68 | | 16.4 | 2.91 | | 16.4 | 2.91 | | 24.3 | 2.43 | | 18.0 | 1.25 | | 24.0 | 1.39 | |
| 11 | 19.2 | 1.88 | | 14.8 | 3.16 | | 14.8 | 3.16 | | 21.2 | 2.71 | | 17.3 | 1.23 | | 20.9 | 1.37 | |
| 10 | 16.9 | 2.25 | | 13.3 | 3.41 | | 13.3 | 3.41 | | 18.5 | 3.08 | | 14.9 | 1.04 | | 18.2 | 1.30 | |
| 9 | 15.0 | 2.51 | | 11.8 | 3.62 | | 11.8 | 3.62 | | 16.0 | 3.00 | | 12.8 | 1.03 | | 15.8 | 1.13 | |
| 8 | 13.4 | 2.77 | | 10.2 | 3.81 | | 10.2 | 3.81 | | 14.0 | 2.92 | | 11.0 | .97 | | 14.0 | 1.15 | |
| 7 | 11.7 | 3.01 | | 8.6 | 4.01 | | 8.6 | 4.01 | | 12.0 | 2.77 | | 8.9 | 1.04 | | 12.2 | 1.16 | |
| 6 | 10.0 | 3.25 | | 7.3 | 4.21 | | 7.3 | 4.21 | | 9.9 | 2.61 | | 7.4 | .77 | | 10.4 | 1.24 | |
| 5 | 8.2 | 3.48 | | 5.8 | 4.41 | | 5.8 | 4.41 | | 7.9 | 2.43 | | 6.2 | .61 | | 8.5 | 1.26 | |
| 4 | 6.7 | 3.68 | | 4.8 | 4.61 | | 4.8 | 4.61 | | 6.6 | 2.25 | | 5.1 | .65 | | 7.0 | .98 | |
| 3 | 4.8 | 3.88 | | 2.7 | 4.81 | | 2.7 | 4.81 | | 5.1 | 2.06 | | 3.5 | .62 | | 5.2 | .83 | |
| 2 | 2.7 | 4.08 | | | | | | | | 3.5 | 1.87 | | 3.6 | 1.02 | | | | |

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 1, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | ITBS (71 ED.) LEVEL 3 FORM 5 VOCABULARY | | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | |
|-----------|---|-------|--|-------|--|-------|--|-------|--|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 1 | .6 | 1.44 | .0 | .14 | 1.9 | .72 | .9 | 1.79 | 1.7 | .84 | 2.9 | .80 |
| 0 | .0 | .89 | .0 | .00 | .3 | .81 | .0 | 1.17 | .2 | .94 | .6 | .89 |

TABLE 2079. ANCHOR TEST EQUATING STUDY: GRADE 4

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 2, LINEAR

| RAN SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | |
|-----------|---|-------|--|-------|---|-------|--|-------|--|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 1 | 7.7 | .99 | 5.2 | 1.42 | 9.5 | 1.21 | 3.8 | .89 | 9.8 | .99 | 8.8 | 1.25 |
| 0 | 6.4 | 1.03 | 3.8 | 1.45 | 8.2 | 1.25 | 1.9 | .93 | 8.6 | 1.01 | 7.3 | 1.27 |

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 2, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 2 FORM S | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|-------|------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 42 | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 40 | 50.3 | .05 | 50.3 | .00 | | | | | 50.3 | .05 | | |
| 39 | 50.0 | .05 | 50.0 | .06 | | | | | 49.5 | .08 | | |
| 38 | 49.4 | .11 | 49.3 | .06 | 50.3 | .00 | | | 48.8 | .09 | | |
| 37 | 48.9 | .11 | 48.7 | .08 | 49.9 | .04 | | | 48.1 | .10 | | |
| 36 | 48.3 | .16 | 48.1 | .09 | 49.2 | .08 | | | 47.6 | .14 | | 50.4 |
| 35 | 47.8 | .12 | 47.5 | .12 | 48.5 | .11 | | | 47.1 | .13 | | 50.2 |
| 34 | 47.3 | .12 | 46.8 | .11 | 47.9 | .13 | | | 46.5 | .10 | | 50.0 |
| 33 | 46.9 | .16 | 46.2 | .13 | 47.4 | .13 | | | 46.0 | .10 | | 49.5 |
| 32 | 46.4 | .11 | 45.6 | .15 | 46.8 | .11 | | | 45.5 | .15 | | 49.1 |
| 31 | 45.9 | .08 | 44.9 | .11 | 46.3 | .12 | | | 45.0 | .17 | | 48.6 |
| 30 | 45.4 | .06 | 44.3 | .11 | 45.7 | .15 | 50.3 | .00 | 44.5 | .20 | | 48.1 |
| 29 | 44.9 | .06 | 43.7 | .18 | 45.2 | .15 | 50.0 | .06 | 44.1 | .21 | | 47.6 |
| 28 | 44.3 | .09 | 42.9 | .15 | 44.6 | .17 | 49.3 | .06 | 43.2 | .22 | | 47.1 |
| 27 | 43.7 | .11 | 42.0 | .20 | 44.1 | .18 | 48.4 | .07 | 42.7 | .25 | | 46.6 |
| 26 | 43.1 | .17 | 41.0 | .25 | 43.6 | .20 | 47.6 | .07 | 42.1 | .25 | | 46.1 |
| 25 | 42.3 | .18 | 39.9 | .29 | 42.9 | .22 | 46.9 | .07 | 41.5 | .24 | | 45.5 |
| 24 | 41.4 | .20 | 38.9 | .35 | 42.2 | .25 | 45.9 | .09 | 40.9 | .25 | | 45.0 |
| 23 | 40.9 | .21 | 37.7 | .33 | 41.4 | .27 | 44.9 | .10 | 40.2 | .26 | | 44.4 |
| 22 | 39.4 | .33 | 36.4 | .30 | 40.5 | .30 | 44.0 | .10 | 39.5 | .30 | | 43.9 |
| 21 | 38.1 | .31 | 35.0 | .31 | 39.7 | .40 | 43.0 | .13 | 38.7 | .31 | | 43.2 |
| 20 | 36.7 | .32 | 33.4 | .30 | 38.6 | .36 | 41.7 | .15 | 37.9 | .32 | | 42.3 |
| 19 | 35.7 | .38 | 31.8 | .36 | 37.5 | .39 | 40.2 | .18 | 36.9 | .32 | | 41.3 |
| 18 | 33.7 | .41 | 30.2 | .51 | 36.4 | .38 | 38.6 | .19 | 35.8 | .33 | | 40.3 |
| 17 | 32.1 | .52 | 28.4 | .67 | 35.2 | .38 | 36.7 | .13 | 34.6 | .33 | | 39.2 |
| 16 | 30.3 | .58 | 26.6 | .90 | 33.7 | .46 | 34.6 | .22 | 33.3 | .44 | | 38.2 |
| 15 | 28.1 | .65 | 24.5 | .98 | 31.9 | .51 | 32.3 | .30 | 31.8 | .45 | | 36.6 |
| 14 | 25.8 | .77 | 22.3 | 1.11 | 30.1 | .77 | 30.1 | .39 | 30.2 | .58 | | 34.9 |
| 13 | 23.4 | .88 | 20.2 | 1.16 | 27.6 | .86 | 27.6 | .40 | 28.1 | .67 | | 33.1 |
| 12 | 21.3 | .90 | 18.2 | 1.00 | 24.8 | .89 | 25.0 | .49 | 25.7 | .76 | | 31.0 |
| 11 | 19.2 | .87 | 16.2 | .84 | 21.9 | .91 | 22.4 | .68 | 22.8 | .75 | | 28.7 |
| 10 | 17.2 | .73 | 14.7 | .67 | 18.9 | .85 | 19.8 | .77 | 22.0 | .81 | | 26.2 |
| 9 | 15.4 | .53 | 13.1 | .56 | 16.2 | .66 | 17.4 | .61 | 20.0 | .81 | | 23.8 |
| 8 | 13.6 | .38 | 11.6 | .52 | 14.3 | .43 | 15.2 | .48 | 17.0 | .56 | | 20.3 |
| 7 | 12.1 | .36 | 10.3 | .54 | 12.4 | .34 | 13.1 | .41 | 14.8 | .39 | | 17.5 |
| 6 | 10.3 | .37 | 8.9 | .57 | 10.8 | .32 | 11.3 | .47 | 12.7 | .28 | | 15.3 |
| 5 | 8.6 | .48 | 7.4 | .47 | 9.0 | .47 | 9.6 | .56 | 11.0 | .30 | | 13.5 |
| 4 | 7.1 | .71 | 6.1 | .69 | 7.3 | .69 | 7.4 | .77 | 9.7 | .48 | | 11.8 |
| 3 | 5.6 | .70 | 4.8 | .41 | 5.7 | .64 | 5.4 | .67 | 7.6 | .63 | | 10.3 |
| 2 | 4.2 | .65 | 3.6 | .54 | 4.2 | .54 | 3.5 | 1.14 | 6.1 | .51 | | 8.6 |
| | | | | | | | | | 3.6 | .44 | | 6.8 |
| | | | | | | | | | | .51 | | 5.0 |

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 2, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | ITBS (71 ED.) LEVEL 1 FORM S VOCABULARY | | STEP-II (69 ED.) LEVEL 4 FORM A PART I (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | |
|-----------|---|-------|--|-------|--|-------|--|-------|--|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 1 | 2.7 | .63 | 2.4 | .71 | 2.7 | .58 | 1.5 | 1.10 | 2.4 | .66 | 3.2 | .29 |
| 0 | 1.2 | .56 | 1.1 | .68 | 1.2 | .56 | .0 | .25 | 1.1 | .40 | 1.4 | .30 |

TABLE 2081. ANCHOR TEST EQUATING STUDY: GRADE 4

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 3, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | ITBS (71 ED.) LEVEL 10 FORM S VOCABULARY | | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | |
|-----------|---|-------|--|-------|---|-------|--|-------|--|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 42 | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | |
| 39 | 59.5 | .47 | 57.9 | .55 | | | | | 7.9 | .48 | | |
| 38 | 58.1 | .47 | 56.5 | .52 | | | | | 50.7 | .47 | | |
| 37 | 56.7 | .43 | 55.2 | .54 | | | | | 55.6 | .46 | | |
| 36 | 55.4 | .42 | 53.8 | .51 | 57.8 | .66 | | | 54.4 | .49 | 63.3 | .77 |
| 35 | 54.0 | .41 | 52.5 | .54 | 56.5 | .65 | | | 53.3 | .47 | 61.8 | .75 |
| 34 | 52.7 | .41 | 51.2 | .57 | 55.1 | .62 | | | 52.2 | .51 | 60.4 | .73 |
| 33 | 51.3 | .46 | 49.8 | .57 | 53.8 | .62 | | | 51.0 | .53 | 58.9 | .68 |
| 32 | 50.0 | .44 | 48.5 | .65 | 52.5 | .63 | | | 49.9 | .53 | 57.5 | .58 |
| 31 | 49.6 | .44 | 47.1 | .65 | 51.1 | .58 | | | 48.8 | .55 | 56.0 | .65 |
| 30 | 47.3 | .51 | 45.8 | .69 | 49.8 | .59 | | | 47.6 | .58 | 54.7 | .64 |
| 29 | 45.9 | .55 | 44.5 | .77 | 48.5 | .61 | | | 46.5 | .63 | 53.1 | .64 |
| 28 | 43.2 | .65 | 41.8 | .84 | 47.2 | .63 | 58.0 | .38 | 45.3 | .63 | 51.6 | .64 |
| 27 | 41.9 | .68 | 40.4 | .91 | 45.8 | .63 | 56.0 | .35 | 44.2 | .67 | 50.2 | .64 |
| 26 | 40.5 | .74 | 39.1 | .93 | 44.5 | .65 | 54.1 | .37 | 43.1 | .72 | 48.7 | .64 |
| 25 | 39.2 | .80 | 37.8 | 1.03 | 43.2 | .69 | 52.2 | .40 | 41.9 | .77 | 47.3 | .65 |
| 24 | 37.8 | .84 | 36.4 | 1.07 | 41.8 | .68 | 50.2 | .41 | 40.8 | .77 | 45.8 | .65 |
| 23 | 36.5 | .87 | 35.1 | 1.11 | 40.5 | .71 | 48.3 | .46 | 39.6 | .81 | 44.4 | .70 |
| 22 | 35.1 | .93 | 33.7 | 1.19 | 39.2 | .73 | 46.4 | .52 | 38.7 | .87 | 42.9 | .75 |
| 21 | 33.7 | 1.02 | 32.4 | 1.26 | 37.9 | .81 | 44.5 | .59 | 36.2 | .91 | 41.4 | .74 |
| 20 | 32.4 | 1.05 | 31.1 | 1.29 | 36.5 | .81 | 42.5 | .64 | 35.1 | .94 | 40.0 | .78 |
| 19 | 31.0 | 1.13 | 29.7 | 1.37 | 35.2 | .85 | 40.6 | .68 | 33.9 | .98 | 38.5 | .80 |
| 18 | 29.7 | 1.15 | 28.4 | 1.43 | 33.9 | .87 | 38.7 | .74 | 32.9 | 1.03 | 37.1 | .85 |
| 17 | 28.3 | 1.25 | 27.0 | 1.49 | 32.6 | .93 | 36.7 | .81 | 31.7 | 1.04 | 35.6 | .88 |
| 16 | 27.0 | 1.26 | 25.7 | 1.56 | 31.2 | .95 | 34.8 | .83 | 30.5 | 1.10 | 34.2 | .92 |
| 15 | 25.6 | 1.33 | 24.4 | 1.63 | 29.9 | .99 | 32.9 | .91 | 29.4 | 1.13 | 32.7 | .97 |
| 14 | 24.3 | 1.38 | 23.0 | 1.68 | 28.6 | 1.05 | 30.9 | .99 | 28.2 | 1.18 | 31.3 | 1.00 |
| 13 | 22.9 | 1.44 | 21.7 | 1.76 | 27.2 | 1.08 | 29.0 | 1.06 | 27.1 | 1.23 | 29.8 | 1.05 |
| 12 | 21.6 | 1.47 | 20.3 | 1.80 | 25.9 | 1.11 | 27.1 | 1.13 | 26.0 | 1.26 | 28.3 | 1.11 |
| 11 | 20.2 | 1.57 | 19.0 | 1.87 | 24.6 | 1.16 | 25.1 | 1.22 | 24.8 | 1.30 | 26.9 | 1.16 |
| 10 | 18.9 | 1.62 | 17.7 | 1.93 | 23.3 | 1.21 | 23.2 | 1.25 | 23.7 | 1.34 | 25.4 | 1.18 |
| 9 | 17.5 | 1.69 | 16.3 | 2.03 | 21.9 | 1.25 | 21.3 | 1.33 | 22.6 | 1.37 | 24.0 | 1.26 |
| 8 | 16.2 | 1.73 | 15.0 | 2.07 | 20.6 | 1.28 | 19.4 | 1.40 | 21.4 | 1.40 | 22.5 | 1.32 |
| 7 | 14.8 | 1.78 | 13.6 | 2.13 | 19.3 | 1.33 | 17.4 | 1.47 | 20.3 | 1.45 | 21.1 | 1.35 |
| 6 | 13.5 | 1.85 | 12.3 | 2.22 | 17.9 | 1.37 | 15.5 | 1.54 | 19.1 | 1.51 | 19.6 | 1.40 |
| 5 | 12.1 | 1.90 | 11.0 | 2.28 | 16.6 | 1.42 | 13.6 | 1.58 | 18.0 | 1.53 | 18.2 | 1.45 |
| 4 | 10.8 | 1.95 | 9.6 | 2.31 | 15.3 | 1.46 | 11.6 | 1.66 | 16.9 | 1.59 | 16.7 | 1.49 |
| 3 | 9.4 | 2.04 | 8.3 | 2.41 | 14.0 | 1.51 | 9.7 | 1.74 | 15.7 | 1.62 | 15.2 | 1.57 |
| 2 | 8.0 | 2.10 | 6.9 | 2.47 | 12.6 | 1.55 | 7.8 | 1.79 | 14.6 | 1.66 | 13.8 | 1.61 |
| | | | | | 11.3 | 1.61 | 5.8 | 1.88 | 13.4 | 1.70 | 12.3 | 1.67 |
| | | | | | 10.0 | 1.64 | 3.9 | 1.95 | 12.3 | 1.75 | 10.9 | 1.71 |

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 3, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | ITBS (71 ED.) LEVEL 10 FORM 5 VOCABULARY | | STEP-II (69 ED.) LEVEL 4 FORM 4 PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | |
|-----------|---|-------|--|-------|---|-------|--|-------|--|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 1 | 6.7 | 2.13 | 5.6 | 2.54 | 8.6 | 1.71 | 2.0 | 2.01 | 11.2 | 1.80 | 9.4 | 1.76 |
| 0 | 5.3 | 2.22 | 4.3 | 2.61 | 7.3 | 1.74 | .0 | 2.09 | 10.5 | 1.84 | 8.0 | 1.81 |

TABLE 2082. ANCHOR TEST EQUATING STUDY: GRADE 4

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 3, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | | CTBS (68 ED.) LEVEL 2 FORM Q | | | ITBS (71 ED.) LEVEL 10 FORM 5 | | | STEP-II (69 ED.) LEVEL 4 FORM A | | | SRA (71 ED.) BLUE FORM E | | | SAT (64 ED.) INTERMEDIATE I FORM W | | |
|-----------|-----------------------------------|-------|------------------|------------------------------------|-------|------------------|-------------------------------------|-------|------------------|---------------------------------------|-------|------------------|--------------------------------|-------|------------------|--|-------|------------------|
| | MAT EQUIV. | ERROR | MAT EQUIV. ERROR | MAT EQUIV. | ERROR | MAT EQUIV. ERROR | MAT EQUIV. | ERROR | MAT EQUIV. ERROR | MAT EQUIV. | ERROR | MAT EQUIV. ERROR | MAT EQUIV. | ERROR | MAT EQUIV. ERROR | MAT EQUIV. | ERROR | MAT EQUIV. ERROR |
| 42 | | | | | | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | | | |
| 39 | 50.3 | .06 | .07 | 50.3 | .07 | .07 | 50.3 | .04 | .04 | 50.3 | .04 | 50.3 | .04 | 50.3 | .08 | 50.4 | .00 | 50.4 |
| 38 | 49.9 | .14 | .09 | 50.0 | .09 | .09 | 49.4 | .11 | .11 | 49.8 | .12 | 49.8 | .12 | 49.8 | .16 | 50.2 | .03 | 50.2 |
| 37 | 49.4 | .10 | .11 | 49.4 | .11 | .11 | 48.8 | .15 | .15 | 48.8 | .15 | 48.8 | .15 | 48.8 | .17 | 47.8 | .21 | 47.8 |
| 36 | 48.8 | .13 | .15 | 48.2 | .15 | .18 | 48.2 | .18 | .18 | 49.1 | .12 | 49.1 | .12 | 46.7 | .24 | 47.2 | .24 | 50.0 |
| 35 | 48.2 | .15 | .18 | 48.2 | .18 | .18 | 47.6 | .13 | .14 | 48.4 | .14 | 48.4 | .14 | 46.3 | .23 | 49.5 | .15 | 49.5 |
| 34 | 47.8 | .13 | .18 | 47.6 | .18 | .22 | 47.2 | .18 | .15 | 47.8 | .15 | 47.8 | .15 | 45.8 | .28 | 49.0 | .17 | 49.0 |
| 33 | 47.2 | .18 | .22 | 47.0 | .22 | .27 | 46.4 | .22 | .20 | 47.2 | .20 | 47.2 | .20 | 45.3 | .33 | 48.6 | .15 | 48.6 |
| 32 | 46.7 | .18 | .30 | 46.4 | .30 | .30 | 46.6 | .24 | .24 | 46.6 | .24 | 46.6 | .24 | 44.8 | .35 | 48.1 | .17 | 48.1 |
| 31 | 46.2 | .18 | .38 | 45.7 | .38 | .38 | 46.0 | .27 | .27 | 46.0 | .27 | 46.0 | .27 | 44.3 | .36 | 47.1 | .18 | 47.1 |
| 30 | 45.7 | .19 | .42 | 45.0 | .38 | .42 | 45.3 | .38 | .28 | 45.3 | .28 | 45.3 | .28 | 43.9 | .38 | 47.2 | .19 | 47.2 |
| 29 | 45.1 | .26 | .50 | 44.3 | .42 | .50 | 44.7 | .44 | .34 | 44.7 | .34 | 44.7 | .34 | 43.4 | .44 | 46.7 | .19 | 46.7 |
| 28 | 44.5 | .29 | .64 | 43.6 | .50 | .64 | 44.1 | .44 | .39 | 44.1 | .39 | 44.1 | .39 | 42.9 | .44 | 46.2 | .22 | 46.2 |
| 27 | 43.9 | .31 | .78 | 42.8 | .64 | .78 | 43.4 | .47 | .41 | 43.4 | .41 | 43.4 | .41 | 42.9 | .47 | 45.7 | .27 | 45.7 |
| 26 | 43.2 | .34 | .88 | 42.9 | .78 | .88 | 42.7 | .47 | .47 | 42.7 | .47 | 42.7 | .47 | 41.3 | .53 | 45.1 | .33 | 45.1 |
| 25 | 42.3 | .44 | .89 | 42.9 | .88 | .89 | 42.0 | .56 | .56 | 42.0 | .56 | 42.0 | .56 | 40.8 | .56 | 44.4 | .37 | 44.4 |
| 24 | 41.4 | .55 | .99 | 39.9 | .89 | .99 | 41.2 | .63 | .63 | 41.2 | .63 | 41.2 | .63 | 40.6 | .63 | 43.8 | .43 | 43.8 |
| 23 | 40.5 | .62 | 1.11 | 38.7 | .99 | 1.11 | 40.3 | .63 | .59 | 40.3 | .59 | 40.3 | .59 | 40.0 | .66 | 43.0 | .40 | 43.0 |
| 22 | 39.4 | .74 | 1.26 | 37.6 | 1.11 | 1.26 | 39.5 | .78 | .78 | 39.5 | .78 | 39.5 | .78 | 39.3 | .72 | 42.2 | .61 | 42.2 |
| 21 | 38.2 | .90 | 1.43 | 36.4 | 1.26 | 1.43 | 38.6 | .84 | .84 | 38.6 | .84 | 38.6 | .84 | 38.5 | .80 | 41.3 | .70 | 41.3 |
| 20 | 36.9 | 1.08 | 1.62 | 35.1 | 1.43 | 1.62 | 37.5 | .89 | .89 | 37.5 | .89 | 37.5 | .89 | 37.5 | .88 | 40.3 | .81 | 40.3 |
| 19 | 35.5 | 1.27 | 1.77 | 33.6 | 1.62 | 1.77 | 36.3 | .98 | .98 | 36.3 | .98 | 36.3 | .98 | 36.6 | .95 | 39.1 | .88 | 39.1 |
| 18 | 33.9 | 1.50 | 1.99 | 32.1 | 1.77 | 1.99 | 35.1 | 1.09 | 1.09 | 35.1 | 1.09 | 35.1 | 1.09 | 35.5 | 1.06 | 37.8 | .98 | 37.8 |
| 17 | 32.4 | 1.65 | 2.18 | 30.3 | 1.99 | 2.18 | 33.6 | 1.20 | 1.20 | 33.6 | 1.20 | 33.6 | 1.20 | 34.7 | 1.13 | 36.4 | 1.06 | 36.4 |
| 16 | 30.5 | 1.87 | 2.37 | 28.6 | 2.18 | 2.37 | 32.1 | 1.39 | 1.39 | 32.1 | 1.39 | 32.1 | 1.39 | 32.4 | 1.35 | 34.9 | 1.17 | 34.9 |
| 15 | 28.4 | 2.14 | 2.42 | 26.7 | 2.37 | 2.42 | 30.2 | 1.55 | 1.55 | 30.2 | 1.55 | 30.2 | 1.55 | 30.0 | 1.56 | 33.2 | 1.27 | 33.2 |
| 14 | 26.3 | 2.27 | 2.42 | 24.7 | 2.42 | 2.42 | 28.1 | 1.68 | 1.68 | 28.1 | 1.68 | 28.1 | 1.68 | 29.3 | 1.65 | 31.3 | 1.46 | 31.3 |
| 13 | 24.1 | 2.32 | 2.37 | 22.8 | 2.42 | 2.37 | 25.8 | 1.73 | 1.73 | 25.8 | 1.73 | 25.8 | 1.73 | 27.4 | 1.74 | 29.0 | 1.66 | 29.0 |
| 12 | 21.9 | 2.26 | 2.28 | 20.7 | 2.28 | 2.28 | 23.3 | 1.73 | 1.73 | 23.3 | 1.73 | 23.3 | 1.73 | 24.7 | 1.82 | 26.5 | 1.76 | 26.5 |
| 11 | 19.8 | 2.19 | 2.16 | 18.7 | 2.16 | 2.16 | 20.5 | 1.64 | 1.64 | 20.5 | 1.64 | 20.5 | 1.64 | 22.0 | 2.05 | 23.9 | 1.76 | 23.9 |
| 10 | 17.9 | 1.93 | 1.93 | 16.8 | 1.93 | 1.93 | 18.0 | 1.66 | 1.66 | 18.0 | 1.66 | 18.0 | 1.66 | 19.6 | 1.79 | 21.0 | 1.80 | 21.0 |
| 9 | 16.0 | 1.63 | 1.66 | 15.2 | 1.66 | 1.66 | 15.8 | 1.50 | 1.50 | 15.8 | 1.50 | 15.8 | 1.50 | 17.5 | 1.56 | 18.3 | 1.74 | 18.3 |
| 8 | 14.5 | 1.30 | 1.50 | 13.7 | 1.50 | 1.50 | 13.9 | 1.35 | 1.35 | 13.9 | 1.35 | 13.9 | 1.35 | 15.5 | 1.25 | 15.8 | 1.58 | 15.8 |
| 7 | 13.0 | 1.08 | 1.35 | 12.2 | 1.35 | 1.35 | 12.1 | 1.28 | 1.28 | 12.1 | 1.28 | 12.1 | 1.28 | 13.8 | 1.03 | 13.7 | 1.36 | 13.7 |
| 6 | 11.4 | .96 | 1.28 | 10.8 | 1.28 | 1.28 | 10.2 | 1.17 | 1.17 | 10.2 | 1.17 | 10.2 | 1.17 | 12.2 | .87 | 11.7 | 1.16 | 11.7 |
| 5 | 9.9 | .88 | 1.17 | 9.2 | 1.17 | 1.17 | 8.4 | .97 | .97 | 8.4 | .97 | 8.4 | .97 | 10.6 | .88 | 10.0 | 1.01 | 10.0 |
| 4 | 8.3 | .69 | .97 | 7.7 | .97 | .97 | 6.9 | .59 | .59 | 6.9 | .59 | 6.9 | .59 | 9.0 | .78 | 8.0 | 1.01 | 8.0 |
| 3 | 6.8 | .53 | .97 | 6.3 | .97 | .97 | 5.3 | .53 | .53 | 5.3 | .53 | 5.3 | .53 | 7.3 | .65 | 6.5 | .97 | 6.5 |
| 2 | 5.2 | .53 | 1.24 | 4.8 | 1.24 | 1.24 | 3.7 | .57 | .57 | 3.7 | .57 | 3.7 | .57 | 5.3 | .73 | 4.9 | .82 | 4.9 |
| 1 | 3.6 | .69 | 1.55 | 3.3 | 1.55 | 1.55 | 3.0 | .65 | .65 | 3.0 | .65 | 3.0 | .65 | 3.4 | .68 | 3.4 | .75 | 3.4 |

TABLE 2082. ANCHOR TEST EQUATING STUDY: GRADE 4

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

PROCEDURE 3. 100PERCENTILE

| | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CIBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | TTBS (71 D.) LEVEL 0 FORM S VOCABULARY | STEP-II (69 ED.) LEVEL 1 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING |
|-----------|---|--|---|--|--|--|
| RAW SCORE | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. |
| | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR |
| 1 | 1.9 | 1.8 | 2.0 | .7 | 1.8 | 3.0 |
| 0 | .3 | .3 | .3 | .0 | .3 | .7 |
| | .89 | 1.20 | .78 | .88 | .84 | .77 |
| | .83 | .93 | .94 | .14 | .93 | .89 |

TABLE 2083. ANCHOR TEST EQUATING STUDY: GRADE 4

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 | | CTBS (68 ED.) LEVEL 2 | | ITBS (71 ED.) LEVEL 0 | | STEP-II (69 ED.) LEVEL 4 | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|----------------------|-------|-----------------------|-------|-----------------------|-------|--------------------------|-------|--------------------------|-------|------------------------------------|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 42 | | | | | | | | | | | | |
| 41 | 60.8 | .54 | 58.1 | .61 | | | | | 72.3 | .42 | | |
| 40 | 59.5 | .50 | 56.8 | .60 | | | | | 57.1 | .39 | | |
| 39 | 59.1 | .47 | 55.4 | .53 | | | | | 55.9 | .34 | | |
| 38 | 56.8 | .43 | 54.0 | .43 | 59.0 | .57 | | | 54.8 | .35 | | |
| 37 | 55.4 | .37 | 52.7 | .42 | 57.7 | .53 | | | 53.6 | .28 | | |
| 36 | 55.4 | .37 | 52.7 | .42 | 56.3 | .46 | | | 52.4 | .27 | | |
| 35 | 54.0 | .30 | 51.3 | .33 | 55.0 | .42 | | | 51.2 | .22 | | |
| 34 | 52.7 | .26 | 50.0 | .30 | 53.5 | .38 | | | 50.0 | .17 | | |
| 33 | 51.3 | .23 | 48.6 | .26 | 52.3 | .33 | | | 48.8 | .15 | | |
| 32 | 49.9 | .20 | 47.2 | .19 | 50.9 | .29 | | | 47.6 | .12 | | |
| 31 | 48.6 | .18 | 45.9 | .18 | 49.6 | .26 | | | 46.4 | .10 | | |
| 30 | 47.2 | .13 | 44.5 | .15 | 48.3 | .26 | 59.3 | .43 | 45.2 | .11 | | |
| 29 | 45.9 | .14 | 43.2 | .20 | 46.9 | .22 | 57.4 | .40 | 44.1 | .17 | | |
| 28 | 44.5 | .12 | 41.8 | .19 | 45.5 | .24 | 55.5 | .36 | 42.9 | .17 | | |
| 27 | 43.1 | .15 | 40.4 | .20 | 44.2 | .22 | 53.5 | .29 | 41.5 | .20 | | |
| 26 | 41.7 | .19 | 39.1 | .27 | 42.9 | .25 | 51.6 | .24 | 40.0 | .24 | | |
| 25 | 40.4 | .20 | 37.7 | .29 | 41.5 | .26 | 49.7 | .19 | 38.4 | .29 | | |
| 24 | 39.0 | .27 | 36.3 | .36 | 40.2 | .30 | 47.7 | .13 | 37.0 | .33 | | |
| 23 | 37.7 | .29 | 35.0 | .42 | 38.9 | .34 | 45.8 | .11 | 35.8 | .39 | | |
| 22 | 36.3 | .36 | 33.6 | .47 | 37.5 | .38 | 43.9 | .13 | 34.0 | .43 | | |
| 21 | 34.9 | .41 | 32.3 | .53 | 36.1 | .42 | 41.9 | .14 | 33.4 | .46 | | |
| 20 | 33.6 | .44 | 30.9 | .56 | 34.8 | .47 | 40.0 | .18 | 32.2 | .49 | | |
| 19 | 32.2 | .48 | 29.5 | .64 | 33.4 | .51 | 38.0 | .26 | 31.0 | .53 | | |
| 18 | 30.8 | .54 | 28.2 | .70 | 32.1 | .56 | 36.1 | .30 | 29.8 | .58 | | |
| 17 | 29.5 | .57 | 26.8 | .73 | 30.8 | .59 | 34.1 | .37 | 28.7 | .62 | | |
| 16 | 28.1 | .63 | 25.5 | .79 | 29.4 | .66 | 32.2 | .38 | 27.5 | .65 | | |
| 15 | 26.8 | .66 | 24.1 | .86 | 28.1 | .70 | 30.3 | .44 | 26.3 | .70 | | |
| 14 | 25.4 | .69 | 22.7 | .91 | 26.7 | .75 | 28.3 | .52 | 25.1 | .73 | | |
| 13 | 24.0 | .76 | 21.4 | .96 | 25.4 | .79 | 26.4 | .57 | 24.0 | .76 | | |
| 12 | 22.6 | .83 | 20.0 | 1.04 | 24.0 | .88 | 24.5 | .61 | 22.8 | .81 | | |
| 11 | 21.3 | .85 | 18.7 | 1.09 | 22.7 | .89 | 22.5 | .72 | 21.6 | .85 | | |
| 10 | 19.9 | .89 | 17.3 | 1.13 | 21.3 | .95 | 20.6 | .76 | 20.4 | .90 | | |
| 9 | 18.6 | .95 | 15.9 | 1.19 | 20.0 | .99 | 18.7 | .79 | 19.2 | .93 | | |
| 8 | 17.2 | .98 | 14.6 | 1.26 | 18.6 | 1.05 | 16.7 | .87 | 18.0 | .97 | | |
| 7 | 15.9 | 1.04 | 13.2 | 1.32 | 17.3 | 1.09 | 14.8 | .94 | 16.8 | 1.04 | | |
| 6 | 14.5 | 1.10 | 11.9 | 1.38 | 15.9 | 1.16 | 12.3 | 1.01 | 15.6 | 1.09 | | |
| 5 | 13.1 | 1.15 | 10.5 | 1.42 | 14.6 | 1.20 | 10.9 | 1.05 | 14.5 | 1.13 | | |
| 4 | 11.7 | 1.19 | 9.1 | 1.51 | 13.3 | 1.25 | 9.0 | 1.10 | 13.3 | 1.13 | | |
| 3 | 10.4 | 1.22 | 7.8 | 1.52 | 11.9 | 1.30 | 7.0 | 1.19 | 12.1 | 1.18 | | |
| 2 | 9.1 | 1.27 | 6.4 | 1.61 | 10.6 | 1.36 | 5.1 | 1.21 | 10.9 | 1.21 | | |

TABLE 2083. ANCHOR TEST EQUATING STUDY: GRADE 4

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | ITBS (71 ED.) LEVEL 1C FORM S VOCABULARY | | STEP-IT (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING | |
|-----------|---|-------|--|-------|---|-------|--|-------|--|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 1 | 7.7 | 1.33 | 5.1 | 1.67 | 9.2 | 1.40 | 1.2 | 1.27 | 9.8 | 1.25 | 8.9 | 1.46 |
| 0 | 6.3 | 1.38 | 3.7 | 1.72 | 7.9 | 1.46 | 1.2 | 1.35 | 5.6 | 1.27 | 7.4 | 1.50 |

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | | ITBS (71 ED.) LEVEL 1C FORM 5 VOCABULARY | | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | | SRA (71 ED.) BLUE FORM E VOCABULARY | | SAT (64 ED.) INTERMEDIATE I FORM M WORD MEANING | |
|-----------|---|-------|--|-------|---|-------|--|-------|--|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 42 | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 40 | 50.4 | .05 | 50.4 | .06 | | | | | 50.3 | .04 | 50.4 | .00 |
| 39 | 50.1 | .07 | 50.1 | .06 | | | | | 45.6 | .09 | 50.4 | .08 |
| 38 | 49.5 | .11 | 49.4 | .09 | 50.3 | .06 | | | 49.0 | .09 | 50.0 | .11 |
| 37 | 49.0 | .09 | 48.8 | .09 | 50.0 | .09 | | | 47.8 | .11 | 50.0 | .10 |
| 36 | 48.5 | .10 | 48.2 | .08 | 49.3 | .09 | | | 46.7 | .10 | 49.6 | .10 |
| 35 | 48.0 | .07 | 47.5 | .09 | 48.6 | .14 | | | 46.3 | .10 | 49.2 | .09 |
| 34 | 47.6 | .07 | 47.0 | .09 | 48.0 | .11 | | | 45.8 | .10 | 48.7 | .09 |
| 33 | 47.1 | .06 | 46.4 | .13 | 47.5 | .13 | | | 45.3 | .11 | 48.3 | .07 |
| 32 | 46.7 | .07 | 45.7 | .10 | 46.9 | .09 | | | 44.8 | .09 | 47.1 | .08 |
| 31 | 46.2 | .08 | 45.0 | .09 | 46.4 | .11 | | | 44.3 | .11 | 46.3 | .08 |
| 30 | 45.7 | .10 | 44.4 | .13 | 45.8 | .11 | 50.3 | .06 | 43.8 | .10 | 47.3 | .08 |
| 29 | 45.1 | .06 | 43.6 | .10 | 45.3 | .12 | 50.0 | .04 | 43.3 | .11 | 46.8 | .09 |
| 28 | 44.5 | .09 | 42.8 | .11 | 44.7 | .12 | 49.3 | .07 | 42.7 | .14 | 46.3 | .11 |
| 27 | 43.9 | .09 | 41.9 | .15 | 44.1 | .14 | 48.5 | .06 | 42.1 | .14 | 45.7 | .10 |
| 26 | 43.2 | .09 | 40.9 | .21 | 43.5 | .15 | 47.7 | .09 | 41.6 | .18 | 45.2 | .14 |
| 25 | 42.4 | .13 | 39.8 | .24 | 42.8 | .15 | 46.9 | .09 | 41.0 | .21 | 44.6 | .16 |
| 24 | 41.5 | .13 | 38.5 | .32 | 42.0 | .32 | 46.1 | .08 | 40.3 | .17 | 43.9 | .19 |
| 23 | 40.6 | .17 | 37.6 | .27 | 41.3 | .24 | 45.2 | .09 | 39.6 | .21 | 43.2 | .24 |
| 22 | 39.6 | .25 | 36.4 | .30 | 40.4 | .45 | 44.1 | .09 | 38.1 | .24 | 42.3 | .25 |
| 21 | 38.4 | .30 | 35.1 | .36 | 39.6 | .34 | 43.0 | .09 | 38.0 | .26 | 41.4 | .33 |
| 20 | 37.1 | .35 | 33.6 | .38 | 38.6 | .32 | 41.7 | .15 | 37.0 | .28 | 40.3 | .35 |
| 19 | 35.8 | .42 | 32.0 | .44 | 37.5 | .34 | 40.2 | .19 | 36.0 | .28 | 39.2 | .36 |
| 18 | 34.3 | .45 | 30.4 | .58 | 36.3 | .38 | 38.6 | .25 | 34.9 | .33 | 38.0 | .39 |
| 17 | 32.7 | .54 | 28.6 | .72 | 35.1 | .41 | 36.6 | .21 | 33.6 | .36 | 36.6 | .41 |
| 16 | 30.8 | .62 | 26.7 | .87 | 33.5 | .50 | 34.5 | .23 | 32.1 | .42 | 35.1 | .42 |
| 15 | 28.6 | .78 | 24.6 | 1.01 | 31.7 | .63 | 32.1 | .38 | 30.5 | .58 | 33.4 | .48 |
| 14 | 26.3 | .96 | 22.4 | 1.12 | 29.8 | .84 | 29.6 | .52 | 28.3 | .69 | 31.4 | .59 |
| 13 | 23.8 | 1.17 | 20.2 | 1.18 | 27.4 | .97 | 27.0 | .60 | 25.9 | .85 | 29.1 | .77 |
| 12 | 21.5 | 1.14 | 18.2 | 1.11 | 24.6 | 1.10 | 24.2 | .77 | 23.0 | 1.03 | 26.5 | .94 |
| 11 | 19.2 | 1.09 | 16.3 | 1.01 | 21.6 | 1.15 | 21.4 | .89 | 20.0 | 1.09 | 23.7 | 1.17 |
| 10 | 17.1 | .93 | 14.8 | .89 | 18.7 | 1.04 | 18.9 | .85 | 17.2 | .85 | 20.6 | 1.19 |
| 9 | 15.2 | .76 | 13.2 | .83 | 16.1 | .80 | 16.6 | .72 | 14.9 | .69 | 17.9 | 1.10 |
| 8 | 13.5 | .66 | 11.7 | .75 | 14.2 | .64 | 14.7 | .60 | 12.8 | .61 | 15.6 | .92 |
| 7 | 11.9 | .63 | 10.3 | .72 | 12.2 | .58 | 12.8 | .55 | 11.0 | .58 | 13.8 | .88 |
| 6 | 10.2 | .61 | 8.8 | .59 | 10.4 | .59 | 11.0 | .70 | 9.1 | .68 | 12.0 | .87 |
| 5 | 8.4 | .56 | 7.4 | .47 | 8.5 | .54 | 9.3 | .66 | 7.5 | .58 | 10.4 | .93 |
| 4 | 6.9 | .44 | 6.0 | .44 | 7.0 | .59 | 7.5 | .61 | 6.2 | .41 | 8.6 | .92 |
| 3 | 5.2 | .48 | 4.1 | .42 | 5.4 | .58 | 5.8 | .51 | 4.8 | .44 | 6.9 | .73 |
| 2 | 3.5 | .58 | 2.2 | .47 | 3.9 | .51 | 3.6 | .58 | 3.4 | .49 | 5.1 | .56 |

TABLE 2086. ANCHOR TEST EQUATING STUDY: GRADE 4

ESTIMATES OF ERROR IN EQUATING THE VOCABULARY SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, WORD KNOWLEDGE SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE

| | CAT (70 ED.) LEVEL 3 FORM A VOCABULARY | CTBS (68 ED.) LEVEL 2 FORM Q VOCABULARY | ITBS (71 ED.) LEVEL 0 FORM 5 VOCABULARY | STEP-II (69 ED.) LEVEL 4 FORM A PART 1 (VOCAB.) | SRA (71 ED.) BLUE FORM E VOCABULARY | SAT (64 ED.) INTERMEDIATE I FORM W WORD MEANING |
|---|---|--|--|--|--|--|
| | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. |
| | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR |
| 1 | 1.7 | 1.2 | 2.3 | 1.2 | 2.1 | 3.1 |
| 0 | .6 | .6 | .8 | .0 | .7 | 1.0 |
| | .74 | .35 | .56 | .76 | .55 | .47 |
| | .57 | .37 | .51 | .60 | .51 | .51 |

TABLE 2085. ANCHOR TEST EQUATING STUDY: GRADE 4

ERRORS OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 1, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 0 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|-------|------------------------------------|-------|------------------------------------|-------|---------------------------------------|------------------|--------------------------------|-------|--|-------------------|
| | COMPREHENSION | ERROR | COMPREHENSION | ERROR | COMPREHENSION | ERROR | PART 2 (COMPR.) | READING (COMPR.) | READING (COMPR.) | ERROR | MAT EQUIV. | PARAGRAPH MEANING |
| 62 | | | | | 54.4 | .46 | | | | | 54.7 | .53 |
| 67 | | | | | 53.7 | .48 | | | | | 53.8 | .53 |
| 64 | | | | | 52.9 | .45 | | | | | 53.0 | .50 |
| 65 | | | | | 52.2 | .45 | | | | | 52.1 | .47 |
| 64 | | | | | 51.4 | .41 | | | | | 51.4 | .47 |
| 63 | | | | | 50.7 | .41 | | | | | 50.3 | .42 |
| 52 | | | | | 49.9 | .37 | | | | | 49.4 | .42 |
| 61 | | | | | 49.1 | .39 | | | | | 48.5 | .39 |
| 60 | | | | | 48.4 | .36 | | | | | 47.6 | .36 |
| 59 | | | | | 47.6 | .35 | | | | | 46.7 | .37 |
| 58 | | | | | 46.9 | .33 | | | | | 45.9 | .32 |
| 57 | | | | | 46.1 | .31 | | | | | 45.0 | .32 |
| 56 | | | | | 45.4 | .31 | | | | | 44.1 | .31 |
| 55 | | | | | 44.6 | .30 | | | | | 43.1 | .27 |
| 54 | | | | | 43.9 | .30 | | | | | 42.4 | .28 |
| 53 | | | | | 43.1 | .27 | | | | | 41.6 | .24 |
| 52 | | | | | 42.4 | .28 | | | | | 40.9 | .26 |
| 51 | | | | | 41.6 | .24 | | | | | 40.1 | .24 |
| 50 | | | | | 40.9 | .26 | | | | | 39.3 | .25 |
| 49 | | | | | 40.1 | .24 | | | | | 38.6 | .24 |
| 48 | | | | | 39.3 | .25 | | | | | 37.8 | .23 |
| 47 | | | | | 38.6 | .24 | | | | | 37.1 | .23 |
| 46 | | | | | 37.8 | .23 | | | | | 36.3 | .23 |
| 45 | | | | | 37.1 | .23 | | | | | 35.6 | .22 |
| 44 | | | | | 36.3 | .23 | | | | | 34.8 | .22 |
| 43 | | | | | 35.6 | .22 | | | | | 34.1 | .23 |
| 42 | | | | | 34.8 | .22 | | | | | 33.3 | .23 |
| 41 | | | | | 34.1 | .23 | | | | | 32.6 | .23 |
| 40 | | | | | 33.3 | .23 | | | | | 31.8 | .24 |
| 39 | | | | | 32.6 | .23 | | | | | 31.1 | .24 |
| 38 | | | | | 31.8 | .24 | | | | | 30.3 | .25 |
| 37 | | | | | 31.1 | .24 | | | | | 29.5 | .27 |
| 36 | | | | | 30.3 | .25 | | | | | 28.8 | .27 |
| 35 | | | | | 29.5 | .27 | | | | | 28.0 | .29 |
| 34 | | | | | 28.8 | .27 | | | | | 27.3 | .29 |
| 33 | | | | | 28.0 | .29 | | | | | 26.5 | .29 |
| 32 | | | | | 27.3 | .29 | | | | | 25.8 | .31 |
| 31 | | | | | 26.5 | .29 | | | | | 25.0 | .33 |
| 30 | | | | | 25.8 | .31 | | | | | 24.3 | .32 |
| 29 | | | | | 25.0 | .33 | | | | | 23.5 | .34 |
| 28 | | | | | 24.3 | .32 | | | | | 22.8 | .34 |
| | | | | | | | | | | | 22.1 | .34 |
| | | | | | | | | | | | 21.4 | .34 |
| | | | | | | | | | | | 20.7 | .34 |
| | | | | | | | | | | | 20.0 | .34 |
| | | | | | | | | | | | 19.3 | .34 |
| | | | | | | | | | | | 18.6 | .34 |
| | | | | | | | | | | | 17.9 | .34 |
| | | | | | | | | | | | 17.2 | .34 |
| | | | | | | | | | | | 16.5 | .34 |
| | | | | | | | | | | | 15.8 | .34 |
| | | | | | | | | | | | 15.1 | .34 |
| | | | | | | | | | | | 14.4 | .34 |
| | | | | | | | | | | | 13.7 | .34 |
| | | | | | | | | | | | 13.0 | .34 |
| | | | | | | | | | | | 12.3 | .34 |
| | | | | | | | | | | | 11.6 | .34 |
| | | | | | | | | | | | 10.9 | .34 |
| | | | | | | | | | | | 10.2 | .34 |
| | | | | | | | | | | | 9.5 | .34 |
| | | | | | | | | | | | 8.8 | .34 |
| | | | | | | | | | | | 8.1 | .34 |
| | | | | | | | | | | | 7.4 | .34 |
| | | | | | | | | | | | 6.7 | .34 |
| | | | | | | | | | | | 6.0 | .34 |
| | | | | | | | | | | | 5.3 | .34 |
| | | | | | | | | | | | 4.6 | .34 |
| | | | | | | | | | | | 3.9 | .34 |
| | | | | | | | | | | | 3.2 | .34 |
| | | | | | | | | | | | 2.5 | .34 |
| | | | | | | | | | | | 1.8 | .34 |
| | | | | | | | | | | | 1.1 | .34 |
| | | | | | | | | | | | 0.4 | .34 |

MATES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 1, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 27 | 34.1 | .15 | 29.7 | .22 | 23.5 | .35 | 48.6 | .28 | 32.0 | .21 | 25.5 | .31 |
| 26 | 32.8 | .15 | 28.7 | .23 | 22.8 | .37 | 47.0 | .27 | 30.9 | .23 | 24.6 | .33 |
| 25 | 31.5 | .16 | 27.6 | .25 | 22.0 | .38 | 45.4 | .23 | 29.8 | .27 | 23.7 | .34 |
| 24 | 30.2 | .19 | 26.6 | .25 | 21.2 | .39 | 43.8 | .20 | 28.7 | .27 | 22.8 | .37 |
| 23 | 28.9 | .22 | 25.5 | .27 | 20.5 | .41 | 42.2 | .15 | 27.6 | .33 | 21.9 | .39 |
| 22 | 27.6 | .22 | 24.5 | .27 | 19.7 | .42 | 40.5 | .16 | 26.5 | .33 | 21.1 | .39 |
| 21 | 26.3 | .27 | 23.5 | .29 | 19.0 | .45 | 38.9 | .13 | 25.4 | .36 | 20.2 | .43 |
| 20 | 25.0 | .28 | 22.4 | .31 | 18.2 | .46 | 37.3 | .12 | 24.3 | .38 | 19.3 | .45 |
| 19 | 23.7 | .32 | 21.4 | .30 | 17.5 | .45 | 35.7 | .14 | 23.2 | .41 | 18.4 | .47 |
| 18 | 22.4 | .34 | 20.3 | .33 | 16.7 | .46 | 34.0 | .17 | 22.0 | .44 | 17.5 | .49 |
| 17 | 21.1 | .39 | 19.3 | .35 | 16.0 | .49 | 32.4 | .19 | 20.9 | .45 | 16.6 | .49 |
| 16 | 19.8 | .40 | 18.2 | .38 | 15.2 | .50 | 30.8 | .20 | 19.8 | .49 | 15.7 | .54 |
| 15 | 18.5 | .43 | 17.2 | .38 | 14.5 | .52 | 29.2 | .24 | 18.7 | .50 | 14.9 | .57 |
| 14 | 17.2 | .46 | 16.1 | .40 | 13.7 | .55 | 27.5 | .28 | 17.6 | .56 | 14.0 | .57 |
| 13 | 15.9 | .51 | 15.1 | .43 | 13.0 | .53 | 25.9 | .32 | 16.5 | .56 | 13.1 | .61 |
| 12 | 14.6 | .52 | 14.0 | .45 | 12.2 | .57 | 24.3 | .35 | 15.4 | .61 | 12.2 | .61 |
| 11 | 13.3 | .57 | 13.0 | .45 | 11.4 | .58 | 22.7 | .37 | 14.3 | .61 | 11.3 | .64 |
| 10 | 12.0 | .58 | 11.9 | .45 | 10.7 | .60 | 21.0 | .43 | 13.2 | .64 | 10.4 | .69 |
| 9 | 10.6 | .65 | 10.9 | .48 | 9.9 | .62 | 19.4 | .48 | 12.0 | .69 | 9.5 | .69 |
| 8 | 9.3 | .68 | 9.8 | .50 | 9.2 | .65 | 17.8 | .49 | 10.9 | .70 | 8.7 | .71 |
| 7 | 8.0 | .71 | 8.8 | .50 | 8.4 | .62 | 16.2 | .54 | 9.8 | .74 | 7.8 | .73 |
| 6 | 6.7 | .73 | 7.8 | .52 | 7.7 | .65 | 14.5 | .59 | 8.7 | .76 | 6.9 | .75 |
| 5 | 5.4 | .79 | 6.7 | .54 | 6.9 | .67 | 12.9 | .61 | 7.6 | .80 | 6.0 | .75 |
| 4 | 4.1 | .80 | 5.7 | .57 | 6.2 | .69 | 11.3 | .66 | 6.5 | .81 | 5.1 | .81 |
| 3 | 2.8 | .84 | 4.6 | .57 | 5.4 | .73 | 9.7 | .66 | 5.4 | .82 | 4.2 | .83 |
| 2 | 1.5 | .85 | 3.6 | .59 | 4.7 | .73 | 8.0 | .75 | 4.3 | .84 | 3.3 | .83 |
| 1 | .2 | .91 | 2.5 | .63 | 3.9 | .73 | 6.4 | .77 | 3.2 | .88 | 2.5 | .84 |
| 0 | 1.1 | .93 | 1.5 | .63 | 3.2 | .74 | 4.8 | .79 | 2.1 | .92 | 1.6 | .86 |

ERRORS OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 1, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 EC.) INTERMEDIATE I FORM 1 | | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|------------------|--------------------------------|-------|--|-------------------|-----|
| | COMPREHENSION | ERROR | COMPREHENSION | ERROR | COMPREHENSION | ERROR | PART 2 (COMPR.) | READING (COMPR.) | MAT EQUIV. | ERROR | MAT EQUIV. | PARAGRAPH MEANING | |
| 62 | | | | | 45.4 | .00 | | | | | | 45.4 | .00 |
| 67 | | | | | 45.4 | .13 | | | | | | 45.4 | .11 |
| 66 | | | | | 45.1 | .15 | | | | | | 45.3 | .24 |
| 65 | | | | | 44.8 | .18 | | | | | | 44.8 | .17 |
| 54 | | | | | 44.6 | .15 | | | | | | 44.4 | .16 |
| 63 | | | | | 44.3 | .18 | | | | | | 43.9 | .21 |
| 62 | | | | | 44.0 | .22 | | | | | | 43.6 | .15 |
| 61 | | | | | 43.7 | .25 | | | | | | 43.2 | .12 |
| 60 | | | | | 43.3 | .28 | | | | | | 42.9 | .15 |
| 59 | | | | | 42.9 | .33 | | | | | | 42.5 | .18 |
| 58 | | | | | 42.6 | .24 | | | | | | 42.1 | .19 |
| 57 | | | | | 42.2 | .24 | | | | | | 41.7 | .21 |
| 56 | | | | | 41.9 | .17 | | | | | | 41.3 | .19 |
| 55 | | | | | 41.5 | .14 | | | | | | 40.9 | .18 |
| 54 | | | | | 41.1 | .12 | | | | | | 40.5 | .18 |
| 53 | | | | | 40.7 | .14 | | | | | | 40.1 | .19 |
| 52 | | | | | 40.3 | .17 | | | | | | 39.6 | .23 |
| 51 | | | | | 39.9 | .18 | | | | | | 39.1 | .40 |
| 50 | | | | | 39.5 | .20 | | | | | | 38.6 | .17 |
| 49 | | | | | 39.1 | .19 | | | | | | 38.1 | .21 |
| 48 | | | | | 38.6 | .23 | | | | | | 37.6 | .21 |
| 47 | | | | | 38.2 | .22 | | | | | | 37.0 | .23 |
| 46 | | | | | 37.8 | .21 | | | | | | 36.3 | .23 |
| 45 | | | | | 37.4 | .25 | | | | | | 35.6 | .23 |
| 44 | | | | | 36.8 | .27 | | | | | | 34.7 | .22 |
| 43 | | | | | 35.3 | .25 | | | | | | 33.9 | .17 |
| 42 | | | | | 35.7 | .29 | | | | | | 33.1 | .17 |
| 41 | | | | | 35.0 | .28 | | | | | | 32.3 | .15 |
| 40 | | | | | 34.4 | .27 | | | | | | 31.5 | .18 |
| 39 | | | | | 33.8 | .25 | | | | | | 30.7 | .19 |
| 38 | | | | | 33.3 | .27 | | | | | | 30.0 | .24 |
| 37 | | | | | 32.7 | .25 | | | | | | 29.0 | .29 |
| 36 | | | | | 32.0 | .24 | | | | | | 28.0 | .39 |
| 35 | | | | | 31.4 | .28 | | | | | | 27.0 | .32 |
| 34 | | | | | 30.8 | .30 | | | | | | 26.2 | .34 |
| 33 | | | | | 30.1 | .30 | | | | | | 25.2 | .05 |
| 32 | | | | | 29.3 | .33 | | | | | | 24.6 | .20 |
| 31 | | | | | 28.6 | .31 | | | | | | 23.9 | .24 |
| 30 | | | | | 27.8 | .34 | | | | | | 23.0 | .29 |
| 29 | | | | | 27.0 | .32 | | | | | | 22.0 | .39 |
| 28 | | | | | 26.2 | .29 | | | | | | 21.0 | .39 |

TABLE 2086. ANCHOR TEST EQUATING STUDY: GRADE 4

RATES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 1, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM 1 | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | 4AT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 27 | 35.8 | .27 | 30.5 | .25 | 25.3 | .29 | 42.9 | .16 | 34.0 | .25 | 27.0 | .44 |
| 26 | 34.6 | .22 | 29.5 | .26 | 24.5 | .29 | 42.1 | .15 | 33.2 | .33 | 26.0 | .47 |
| 25 | 33.4 | .22 | 28.5 | .30 | 23.7 | .35 | 41.4 | .13 | 32.2 | .29 | 24.9 | .50 |
| 24 | 31.9 | .15 | 27.5 | .32 | 22.9 | .37 | 40.7 | .14 | 31.1 | .32 | 23.9 | .47 |
| 23 | 30.5 | .15 | 26.4 | .33 | 21.9 | .39 | 40.0 | .14 | 30.2 | .35 | 22.8 | .50 |
| 22 | 29.8 | .20 | 25.3 | .31 | 21.0 | .41 | 39.3 | .14 | 29.0 | .38 | 21.7 | .45 |
| 21 | 27.2 | .30 | 24.3 | .30 | 19.8 | .43 | 38.5 | .16 | 27.7 | .45 | 20.7 | .43 |
| 20 | 25.6 | .34 | 23.7 | .31 | 19.5 | .46 | 37.7 | .15 | 26.2 | .48 | 19.6 | .41 |
| 19 | 24.0 | .41 | 22.2 | .28 | 17.1 | .47 | 36.8 | .19 | 24.7 | .51 | 18.4 | .45 |
| 18 | 22.4 | .49 | 21.1 | .27 | 15.8 | .49 | 35.6 | .20 | 23.0 | .47 | 17.1 | .49 |
| 17 | 20.8 | .54 | 20.0 | .26 | 14.5 | .54 | 34.4 | .21 | 21.5 | .46 | 15.9 | .52 |
| 16 | 19.4 | .54 | 18.8 | .22 | 13.3 | .55 | 33.1 | .20 | 20.0 | .49 | 14.6 | .57 |
| 15 | 17.9 | .55 | 17.4 | .30 | 12.1 | .51 | 31.7 | .25 | 18.4 | .50 | 13.3 | .53 |
| 14 | 16.3 | .62 | 16.0 | .34 | 11.0 | .50 | 30.3 | .19 | 16.7 | .52 | 12.2 | .60 |
| 13 | 14.9 | .62 | 14.6 | .38 | 9.9 | .51 | 28.3 | .39 | 15.0 | .55 | 11.3 | .61 |
| 12 | 13.5 | .60 | 13.2 | .40 | 8.8 | .55 | 26.3 | .39 | 13.5 | .52 | 10.4 | .58 |
| 11 | 12.1 | .57 | 11.9 | .43 | 8.0 | .58 | 23.8 | .42 | 12.2 | .54 | 9.5 | .52 |
| 10 | 10.8 | .56 | 10.7 | .43 | 7.2 | .76 | 21.4 | .49 | 10.9 | .58 | 8.7 | .48 |
| 9 | 9.6 | .49 | 9.4 | .38 | 6.4 | .78 | 18.9 | .60 | 9.8 | .58 | 7.8 | .54 |
| 8 | 8.3 | .48 | 8.1 | .41 | 5.8 | .81 | 16.6 | .75 | 8.6 | .68 | 6.9 | .58 |
| 7 | 7.1 | .40 | 6.8 | .62 | 5.2 | .72 | 14.3 | .77 | 7.5 | .77 | 6.2 | .62 |
| 6 | 5.9 | .39 | 5.5 | .56 | 4.4 | .66 | 12.3 | .73 | 6.4 | .86 | 5.5 | .61 |
| 5 | 4.7 | .40 | 4.5 | .37 | 3.7 | .54 | 10.5 | .67 | 5.3 | .83 | 4.6 | .56 |
| 4 | 3.8 | .48 | 3.6 | .30 | 2.9 | .48 | 8.7 | .59 | 4.1 | .77 | 3.7 | .45 |
| 3 | 2.8 | .75 | 2.7 | .33 | 2.1 | .50 | 6.9 | .36 | 2.8 | .71 | 2.8 | .39 |
| 2 | 1.8 | .99 | 1.8 | .41 | 1.4 | .47 | 4.7 | .20 | 1.5 | .72 | 1.8 | .44 |
| 1 | .9 | .68 | .9 | .56 | .6 | .58 | 2.6 | .43 | .2 | .59 | .9 | .50 |
| 0 | .0 | .45 | .0 | .60 | .0 | .57 | .5 | .56 | .0 | .04 | .0 | .62 |

TABLE 2087. ANCHOR TEST EQUATING STUDY: GRADE 4

RATES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 2, LINEAR

| PAM SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM I | | |
|-----------|-----------------------------------|------------|------------------------------------|------------|-------------------------------------|------------|---------------------------------------|------------------|--------------------------------|------------|--|-------|-----|
| | COMPREHENSION | MAT EQUIV. | COMPREHENSION | MAT EQUIV. | COMPREHENSION | MAT EQUIV. | PART 2 (COMPR.) | READING (COMPR.) | ERROR | MAT EQUIV. | PARAGRAPH READING | ERROR | |
| 68 | | | | | 54.7 | | .61 | | | | | 55.8 | .46 |
| 67 | | | | | 54.0 | | .59 | | | | | 54.9 | .45 |
| 66 | | | | | 53.2 | | .59 | | | | | 54.0 | .44 |
| 65 | | | | | 52.4 | | .57 | | | | | 53.1 | .44 |
| 64 | | | | | 51.7 | | .55 | | | | | 52.2 | .42 |
| 63 | | | | | 50.9 | | .56 | | | | | 51.3 | .39 |
| 62 | | | | | 50.1 | | .52 | | | | | 50.4 | .39 |
| 61 | | | | | 49.4 | | .51 | | | | | 49.5 | .33 |
| 60 | | | | | 48.6 | | .51 | | | | | 48.6 | .35 |
| 59 | | | | | 47.8 | | .50 | | | | | 47.7 | .35 |
| 58 | | | | | 47.1 | | .49 | | | | | 46.7 | .33 |
| 57 | | | | | 45.3 | | .47 | | | | | 45.8 | .34 |
| 56 | | | | | 45.6 | | .45 | | | | | 44.9 | .31 |
| 55 | | | | | 44.8 | | .42 | | | | | 44.0 | .31 |
| 54 | | | | | 44.0 | | .45 | | | | | 43.1 | .31 |
| 53 | | | | | 43.3 | | .41 | | | | | 42.2 | .29 |
| 52 | | | | | 42.5 | | .41 | | | | | 41.3 | .28 |
| 51 | | | | | 41.7 | | .41 | | | | | 40.4 | .29 |
| 50 | | | | | 41.0 | | .39 | | | | | 39.5 | .26 |
| 49 | | | | | 40.2 | | .41 | | | | | 38.5 | .26 |
| 48 | | | | | 39.4 | | .37 | | | | | 37.6 | .25 |
| 47 | | | | | 38.7 | | .37 | | | | | 36.7 | .25 |
| 46 | | | | | 37.9 | | .36 | | | | | 35.8 | .25 |
| 45 | | | | | 37.1 | | .35 | | | | | 34.9 | .25 |
| 44 | | | | | 36.4 | | .36 | | | | | 34.0 | .25 |
| 43 | | | | | 35.6 | | .35 | | | | | 33.1 | .24 |
| 42 | | | | | 34.8 | | .34 | | | | | 32.2 | .24 |
| 41 | | | | | 34.1 | | .32 | | | | | 31.3 | .25 |
| 40 | | | | | 33.3 | | .33 | | | | | 30.3 | .25 |
| 39 | | | | | 32.5 | | .32 | | | | | 29.4 | .25 |
| 38 | | | | | 31.8 | | .33 | | | | | 28.5 | .26 |
| 37 | | | | | 31.0 | | .31 | | | | | 27.6 | .25 |
| 36 | | | | | 30.2 | | .30 | | | | | 26.7 | .25 |
| 35 | | | | | 29.5 | | .32 | | | | | 25.8 | .26 |
| 34 | | | | | 28.7 | | .31 | | | | | 24.9 | .25 |
| 33 | | | | | 27.9 | | .35 | | | | | 24.0 | .25 |
| 32 | | | | | 27.2 | | .31 | | | | | 23.1 | .24 |
| 31 | | | | | 26.4 | | .32 | | | | | 22.2 | .24 |
| 30 | | | | | 25.6 | | .33 | | | | | 21.3 | .25 |
| 29 | | | | | 24.9 | | .32 | | | | | 20.4 | .25 |
| 28 | | | | | 24.1 | | .34 | | | | | 19.5 | .26 |

MATES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 2, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (71 ED.) LEVEL 10 FORM 5 | | ITBS (71 ED.) LEVEL 4 FORM A | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (70 ED.) INTERMEDIATE I FORM 4 | |
|-----------|-----------------------------------|-------|-------------------------------------|-------|------------------------------------|-------|---------------------------------------|------------|--------------------------------|------------------|--|-------------------|
| | COMPREHENSION | ERROR | COMPREHENSION | ERROR | COMPREHENSION | ERROR | PART 2 (COMPR.) | MAT EQUIV. | ERROR | READING (COMPR.) | MAT EQUIV. | PARAGRAPH MEANING |
| 27 | 34.4 | .31 | 29.6 | .24 | 23.4 | .35 | 49.2 | .31 | 32.1 | .31 | 25.8 | .29 |
| 26 | 33.1 | .30 | 28.6 | .26 | 22.6 | .36 | 46.6 | .30 | 30.1 | .31 | 24.9 | .25 |
| 25 | 31.8 | .32 | 27.5 | .23 | 21.8 | .33 | 44.9 | .28 | 29.8 | .33 | 24.0 | .29 |
| 24 | 30.5 | .31 | 26.4 | .27 | 21.1 | .33 | 43.3 | .26 | 28.7 | .30 | 23.1 | .31 |
| 23 | 29.1 | .32 | 25.4 | .28 | 20.3 | .36 | 41.6 | .22 | 27.5 | .31 | 22.2 | .33 |
| 22 | 27.8 | .32 | 24.3 | .26 | 19.5 | .36 | 40.0 | .23 | 26.4 | .31 | 21.2 | .31 |
| 21 | 26.5 | .35 | 23.3 | .29 | 18.8 | .41 | 38.3 | .20 | 25.3 | .31 | 20.3 | .34 |
| 20 | 25.2 | .35 | 22.2 | .25 | 18.0 | .40 | 36.7 | .20 | 24.2 | .32 | 19.4 | .34 |
| 19 | 23.9 | .36 | 21.2 | .29 | 17.2 | .42 | 35.1 | .21 | 23.0 | .32 | 18.5 | .34 |
| 18 | 22.6 | .37 | 20.1 | .27 | 16.5 | .41 | 33.4 | .18 | 21.9 | .31 | 17.6 | .35 |
| 17 | 21.3 | .38 | 19.0 | .29 | 15.7 | .42 | 31.8 | .18 | 20.8 | .33 | 16.7 | .37 |
| 16 | 20.0 | .39 | 18.0 | .31 | 14.9 | .44 | 30.1 | .21 | 19.7 | .36 | 15.8 | .38 |
| 15 | 18.6 | .41 | 16.9 | .29 | 14.2 | .46 | 28.5 | .22 | 18.5 | .35 | 14.9 | .42 |
| 14 | 17.3 | .44 | 15.9 | .32 | 13.4 | .45 | 26.9 | .23 | 17.4 | .35 | 14.0 | .44 |
| 13 | 16.0 | .45 | 14.8 | .32 | 12.6 | .47 | 25.2 | .24 | 16.3 | .38 | 13.0 | .45 |
| 12 | 14.7 | .46 | 13.7 | .33 | 11.9 | .49 | 23.6 | .26 | 15.1 | .38 | 12.1 | .43 |
| 11 | 13.4 | .47 | 12.7 | .34 | 11.1 | .47 | 21.9 | .25 | 14.0 | .38 | 11.2 | .45 |
| 10 | 12.1 | .50 | 11.6 | .33 | 10.3 | .50 | 20.3 | .29 | 12.9 | .39 | 10.3 | .46 |
| 9 | 10.8 | .49 | 10.6 | .36 | 9.6 | .53 | 18.6 | .31 | 11.8 | .42 | 9.4 | .47 |
| 8 | 9.4 | .54 | 9.5 | .37 | 8.8 | .51 | 17.0 | .34 | 10.6 | .45 | 8.5 | .50 |
| 7 | 8.1 | .55 | 8.4 | .37 | 8.0 | .55 | 15.4 | .38 | 9.5 | .44 | 7.6 | .52 |
| 6 | 6.8 | .56 | 7.4 | .37 | 7.3 | .57 | 13.7 | .36 | 8.4 | .47 | 6.7 | .53 |
| 5 | 5.5 | .57 | 6.3 | .38 | 6.5 | .56 | 12.1 | .40 | 7.2 | .49 | 5.8 | .56 |
| 4 | 4.2 | .59 | 5.3 | .40 | 5.7 | .58 | 10.4 | .43 | 6.1 | .51 | 4.8 | .57 |
| 3 | 2.9 | .61 | 4.2 | .41 | 5.0 | .60 | 8.8 | .47 | 5.0 | .50 | 3.9 | .58 |
| 2 | 1.6 | .63 | 3.1 | .42 | 4.2 | .60 | 7.2 | .49 | 3.9 | .54 | 3.0 | .59 |
| 1 | .3 | .66 | 2.1 | .41 | 3.4 | .62 | 5.5 | .50 | 2.7 | .53 | 2.1 | .60 |
| 0 | - 1.1 | .68 | 1.0 | .43 | 2.7 | .65 | 3.9 | .51 | 1.6 | .56 | 1.2 | .60 |

STATES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 2, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (65 ED.) INTERMEDIATE 1 FORM K | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 68 | | | | | 45.4 | .00 | | | | | 45.4 | .00 |
| 67 | | | | | 45.4 | .00 | | | | | 45.1 | .21 |
| 66 | | | | | 45.4 | .11 | | | | | 44.9 | .30 |
| 65 | | | | | 45.1 | .15 | | | | | 44.7 | .23 |
| 64 | | | | | 44.8 | .13 | | | | | 44.4 | .20 |
| 63 | | | | | 44.6 | .15 | | | | | 44.2 | .25 |
| 62 | | | | | 44.3 | .15 | | | | | 43.9 | .22 |
| 61 | | | | | 44.1 | .24 | | | | | 43.3 | .21 |
| 60 | | | | | 43.6 | .23 | | | | | 42.8 | .26 |
| 59 | | | | | 43.1 | .26 | | | | | 42.4 | .22 |
| 58 | | | | | 42.7 | .27 | | | | | 42.1 | .21 |
| 57 | | | | | 42.3 | .28 | | | | | 41.7 | .20 |
| 56 | | | | | 41.9 | .29 | | | | | 41.3 | .16 |
| 55 | | | | | 41.4 | .31 | | | | | 41.0 | .19 |
| 54 | | | | | 41.1 | .28 | | | | | 40.6 | .22 |
| 53 | | | | | 40.7 | .26 | | | | | 40.2 | .18 |
| 52 | | | | | 40.3 | .26 | | | | | 39.7 | .18 |
| 51 | | | | | 40.0 | .22 | | | | | 39.3 | .18 |
| 50 | | | | | 39.6 | .27 | | | | | 36.0 | .25 |
| 49 | | | | | 39.1 | .26 | | | | | 35.4 | .22 |
| 48 | | | | | 39.6 | .28 | | | | | 34.6 | .25 |
| 47 | | | | | 38.1 | .29 | | | | | 33.8 | .25 |
| 46 | | | | | 37.6 | .26 | | | | | 33.1 | .25 |
| 45 | | | | | 37.1 | .26 | 45.2 | -.09 | | | 32.3 | .23 |
| 44 | | | | | 36.6 | .24 | 44.7 | -.18 | | | 31.7 | .23 |
| 43 | | | | | 36.0 | .24 | 44.1 | .25 | | | 31.4 | .28 |
| 42 | | | | | 35.5 | .24 | 43.3 | .28 | | | 30.7 | .23 |
| 41 | | | | | 34.8 | .27 | 42.6 | .26 | | | 30.7 | .23 |
| 40 | | | | | 34.2 | .24 | 41.8 | .24 | | | 30.7 | .23 |
| 39 | | | | | 33.6 | .25 | 41.1 | .21 | | | 30.7 | .23 |
| 38 | | | | | 33.0 | .30 | 40.3 | .16 | | | 30.7 | .23 |
| 37 | | | | | 32.5 | .34 | 39.5 | .19 | | | 30.7 | .23 |
| 36 | | | | | 31.9 | .40 | 38.7 | .21 | | | 30.7 | .23 |
| 35 | | | | | 31.3 | .45 | 38.0 | .24 | | | 30.7 | .23 |
| 34 | | | | | 30.6 | .51 | 37.1 | .24 | | | 30.7 | .23 |
| 33 | | | | | 29.9 | .54 | 36.2 | .22 | | | 30.7 | .23 |
| 32 | | | | | 29.1 | .56 | 35.3 | .21 | | | 30.7 | .23 |
| 31 | | | | | 28.3 | .57 | 34.3 | .26 | | | 30.7 | .23 |
| 30 | | | | | 27.6 | .55 | 33.3 | .35 | | | 30.7 | .23 |
| 29 | | | | | 26.8 | .47 | 32.3 | .51 | | | 30.7 | .23 |
| 28 | | | | | 26.0 | .41 | 31.4 | .64 | | | 30.7 | .23 |

STATES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 2, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM F | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 27 | 35.8 | .30 | 30.4 | .70 | 25.3 | .76 | 42.7 | .28 | 34.7 | .37 | 27.6 | .62 |
| 26 | 34.8 | .30 | 29.3 | .68 | 24.4 | .39 | 41.9 | .29 | 33.4 | .44 | 26.4 | .59 |
| 25 | 33.6 | .35 | 28.2 | .65 | 23.5 | .41 | 41.2 | .28 | 32.6 | .52 | 25.3 | .55 |
| 24 | 32.4 | .44 | 27.1 | .57 | 22.7 | .43 | 40.4 | .23 | 31.5 | .52 | 24.2 | .56 |
| 23 | 31.1 | .59 | 26.0 | .47 | 21.8 | .41 | 39.7 | .24 | 30.7 | .52 | 23.0 | .57 |
| 22 | 29.4 | .62 | 24.9 | .35 | 20.9 | .40 | 38.9 | .18 | 29.4 | .55 | 21.9 | .58 |
| 21 | 27.7 | .64 | 23.8 | .29 | 19.8 | .42 | 38.0 | .17 | 28.0 | .56 | 20.7 | .58 |
| 20 | 26.0 | .61 | 22.8 | .26 | 18.5 | .48 | 37.2 | .14 | 26.5 | .53 | 19.6 | .57 |
| 19 | 24.2 | .58 | 21.7 | .29 | 17.2 | .52 | 36.2 | .14 | 24.8 | .48 | 18.4 | .59 |
| 18 | 22.5 | .57 | 20.7 | .32 | 15.8 | .45 | 35.1 | .20 | 23.2 | .46 | 17.1 | .60 |
| 17 | 21.0 | .57 | 19.6 | .36 | 14.5 | .40 | 33.9 | .21 | 21.6 | .38 | 15.9 | .58 |
| 16 | 19.7 | .56 | 18.4 | .40 | 13.4 | .41 | 32.5 | .29 | 20.0 | .36 | 14.8 | .55 |
| 15 | 18.2 | .53 | 17.1 | .41 | 12.2 | .45 | 31.1 | .44 | 18.3 | .36 | 13.6 | .54 |
| 14 | 16.6 | .57 | 15.7 | .39 | 11.0 | .44 | 29.3 | .61 | 16.6 | .44 | 12.5 | .51 |
| 13 | 15.2 | .55 | 14.4 | .39 | 9.8 | .36 | 27.2 | .65 | 15.1 | .45 | 11.5 | .51 |
| 12 | 13.9 | .58 | 13.3 | .35 | 8.7 | .32 | 25.1 | .55 | 13.6 | .48 | 10.4 | .49 |
| 11 | 12.5 | .50 | 12.1 | .30 | 7.9 | .28 | 22.8 | .48 | 12.2 | .44 | 9.6 | .53 |
| 10 | 11.2 | .45 | 10.8 | .25 | 7.0 | .31 | 20.4 | .48 | 10.7 | .33 | 8.6 | .51 |
| 9 | 9.9 | .37 | 9.7 | .24 | 6.3 | .37 | 17.9 | .47 | 9.5 | .31 | 7.8 | .51 |
| 8 | 8.8 | .36 | 8.4 | .24 | 5.6 | .54 | 15.6 | .49 | 8.3 | .29 | 7.0 | .49 |
| 7 | 7.7 | .45 | 7.4 | .33 | 4.9 | .84 | 13.6 | .52 | 7.2 | .19 | 6.4 | .55 |
| 6 | 6.6 | .57 | 6.5 | .39 | 4.2 | 1.12 | 11.8 | .40 | 6.3 | .22 | 5.8 | .65 |
| 5 | 5.5 | .49 | 5.6 | .53 | 3.5 | 1.41 | 9.9 | .36 | 5.4 | .29 | 4.9 | .58 |
| 4 | 4.4 | .41 | 4.5 | .60 | 2.7 | 1.35 | 8.3 | .23 | 4.3 | .41 | 3.9 | .63 |
| 3 | 3.3 | .54 | 3.4 | .78 | 2.0 | 1.28 | 6.5 | .26 | 3.2 | .63 | 2.9 | .78 |
| 2 | 2.2 | .83 | 2.3 | 1.06 | 1.3 | 1.28 | 4.5 | .54 | 2.2 | .87 | 2.0 | .95 |
| 1 | 1.1 | 1.13 | 1.2 | 1.09 | .6 | 1.26 | 2.5 | 1.06 | 1.1 | 1.12 | 1.0 | 1.21 |
| 0 | .0 | 1.39 | .1 | 1.28 | .0 | 1.29 | .5 | 1.36 | .0 | 1.37 | .0 | 1.50 |



STATES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 3, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 68 | | | | | 54.3 | .62 | | | | | 55.3 | .63 |
| 67 | | | | | 53.5 | .61 | | | | | 54.4 | .61 |
| 66 | | | | | 52.8 | .62 | | | | | 53.5 | .61 |
| 65 | | | | | 52.0 | .60 | | | | | 52.7 | .61 |
| 64 | | | | | 51.3 | .62 | | | | | 51.8 | .60 |
| 63 | | | | | 50.5 | .60 | | | | | 50.9 | .58 |
| 62 | | | | | 49.7 | .59 | | | | | 50.0 | .58 |
| 61 | | | | | 49.0 | .59 | | | | | 49.1 | .58 |
| 60 | | | | | 48.2 | .59 | | | | | 48.2 | .57 |
| 59 | | | | | 47.5 | .59 | | | | | 47.3 | .57 |
| 58 | | | | | 46.7 | .58 | | | | | 46.4 | .59 |
| 57 | | | | | 45.9 | .58 | | | | | 45.5 | .58 |
| 56 | | | | | 45.2 | .58 | | | | | 44.6 | .57 |
| 55 | | | | | 44.4 | .57 | | | | | 43.7 | .59 |
| 54 | | | | | 43.7 | .59 | | | | | 42.9 | .58 |
| 53 | | | | | 42.9 | .58 | | | | | 42.2 | .59 |
| 52 | | | | | 42.2 | .59 | | | | | 41.4 | .58 |
| 51 | | | | | 41.4 | .58 | | | | | 40.6 | .57 |
| 50 | | | | | 40.6 | .57 | | | | | 39.9 | .59 |
| 49 | | | | | 39.9 | .59 | | | | | 39.1 | .58 |
| 48 | | | | | 38.4 | .60 | | | | | 38.4 | .60 |
| 47 | | | | | 37.6 | .58 | | | | | 37.6 | .58 |
| 46 | | | | | 36.8 | .59 | | | | | 36.8 | .59 |
| 45 | | | | | 36.1 | .60 | 48.8 | .88 | | | 36.1 | .60 |
| 44 | | | | | 35.3 | .60 | 47.8 | .88 | | | 35.3 | .60 |
| 43 | | | | | 34.6 | .62 | 46.7 | .86 | | | 34.6 | .62 |
| 42 | | | | | 33.8 | .61 | 45.7 | .87 | | | 34.6 | .62 |
| 41 | | | | | 33.0 | .61 | 44.6 | .85 | | | 33.8 | .61 |
| 40 | | | | | 32.3 | .63 | 43.6 | .87 | | | 33.0 | .61 |
| 39 | | | | | 31.5 | .62 | 42.5 | .88 | | | 32.3 | .63 |
| 38 | | | | | 30.8 | .64 | 41.5 | .89 | | | 31.5 | .62 |
| 37 | | | | | 30.0 | .64 | 40.4 | .87 | | | 30.8 | .64 |
| 36 | | | | | 29.3 | .66 | 39.4 | .88 | | | 30.0 | .64 |
| 35 | | | | | 28.5 | .66 | 38.3 | .88 | | | 29.3 | .66 |
| 34 | | | | | 27.7 | .66 | 37.3 | .91 | | | 28.5 | .66 |
| 33 | | | | | 27.0 | .67 | 36.2 | .90 | | | 27.7 | .66 |
| 32 | | | | | 26.2 | .67 | 35.2 | .91 | | | 27.0 | .67 |
| 31 | | | | | 25.5 | .70 | 34.1 | .89 | | | 26.2 | .67 |
| 30 | | | | | 24.7 | .70 | 33.1 | .92 | | | 25.5 | .70 |
| 29 | | | | | 23.9 | .70 | 32.0 | .95 | 52.5 | .64 | 24.7 | .64 |
| 28 | | | | | 23.9 | .70 | 31.0 | .93 | 50.9 | .62 | 23.9 | .66 |
| | | | | | | | | | 49.5 | .65 | | .67 |

TYPES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 3, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SAA (71 ED.) BLUE FORM E | | SAT (69 ED.) INTERMEDIATE I FORM N | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 27 | 33.4 | .55 | 29.9 | .96 | 23.2 | .71 | 47.7 | .57 | 32.6 | .68 | 25.9 | .69 |
| 26 | 32.1 | .57 | 28.9 | .94 | 22.4 | .72 | 46.0 | .55 | 31.5 | .68 | 25.0 | .70 |
| 25 | 30.8 | .59 | 27.8 | .97 | 21.7 | .74 | 44.4 | .56 | 30.4 | .69 | 24.1 | .70 |
| 24 | 29.5 | .61 | 26.8 | .99 | 20.9 | .74 | 42.8 | .55 | 29.2 | .70 | 23.2 | .72 |
| 23 | 28.2 | .65 | 25.7 | .99 | 20.2 | .77 | 41.1 | .56 | 28.1 | .73 | 22.3 | .74 |
| 22 | 26.9 | .71 | 24.7 | 1.01 | 19.4 | .77 | 39.5 | .56 | 27.0 | .73 | 21.4 | .74 |
| 21 | 25.6 | .73 | 23.7 | 1.02 | 18.6 | .77 | 37.9 | .57 | 25.9 | .74 | 20.5 | .77 |
| 20 | 24.3 | .76 | 22.6 | 1.03 | 17.9 | .79 | 36.3 | .58 | 24.8 | .76 | 19.6 | .78 |
| 19 | 23.0 | .79 | 21.6 | 1.05 | 17.1 | .78 | 34.6 | .58 | 23.7 | .79 | 18.8 | .77 |
| 18 | 21.7 | .82 | 20.5 | 1.06 | 16.4 | .81 | 33.0 | .60 | 22.6 | .80 | 17.9 | .80 |
| 17 | 20.4 | .85 | 19.5 | 1.07 | 15.6 | .80 | 31.4 | .64 | 21.5 | .80 | 17.0 | .80 |
| 16 | 19.1 | .89 | 18.4 | 1.09 | 14.8 | .83 | 29.7 | .66 | 20.4 | .86 | 16.1 | .83 |
| 15 | 17.8 | .94 | 17.4 | 1.11 | 14.1 | .83 | 28.1 | .68 | 19.3 | .85 | 15.2 | .84 |
| 14 | 16.5 | .95 | 16.3 | 1.10 | 13.3 | .84 | 26.5 | .69 | 18.2 | .85 | 14.3 | .86 |
| 13 | 15.2 | 1.00 | 15.3 | 1.14 | 12.6 | .85 | 24.8 | .73 | 17.1 | .89 | 13.4 | .90 |
| 12 | 13.9 | 1.02 | 14.2 | 1.16 | 11.8 | .86 | 23.2 | .75 | 15.9 | .92 | 12.5 | .88 |
| 11 | 12.6 | 1.06 | 13.2 | 1.17 | 11.0 | .87 | 21.6 | .78 | 14.8 | .95 | 11.6 | .92 |
| 10 | 11.3 | 1.10 | 12.1 | 1.18 | 10.3 | .91 | 20.0 | .80 | 13.7 | .95 | 10.7 | .93 |
| 9 | 10.0 | 1.14 | 11.1 | 1.19 | 9.5 | .91 | 18.3 | .83 | 12.6 | .99 | 9.8 | .93 |
| 8 | 8.7 | 1.18 | 10.0 | 1.20 | 8.8 | .91 | 16.7 | .90 | 11.5 | 1.01 | 8.9 | .96 |
| 7 | 7.4 | 1.20 | 9.0 | 1.24 | 8.0 | .92 | 15.1 | .90 | 10.4 | 1.00 | 8.0 | .98 |
| 6 | 6.1 | 1.25 | 7.9 | 1.24 | 7.3 | .95 | 13.4 | .94 | 9.3 | 1.05 | 7.2 | 1.00 |
| 5 | 4.8 | 1.28 | 6.9 | 1.28 | 6.5 | .95 | 11.8 | .97 | 8.2 | 1.07 | 6.3 | 1.01 |
| 4 | 3.6 | 1.30 | 5.8 | 1.30 | 5.7 | .98 | 10.2 | 1.01 | 7.1 | 1.08 | 5.4 | 1.00 |
| 3 | 2.3 | 1.32 | 4.8 | 1.30 | 5.0 | .97 | 8.6 | 1.05 | 6.0 | 1.10 | 4.5 | 1.05 |
| 2 | 1.0 | 1.35 | 3.7 | 1.32 | 4.2 | .98 | 6.9 | 1.06 | 4.9 | 1.15 | 3.6 | 1.05 |
| 1 | .3 | 1.40 | 2.7 | 1.32 | 3.5 | 1.00 | 5.3 | 1.10 | 3.8 | 1.15 | 2.7 | 1.07 |
| 0 | - 1.6 | 1.43 | 1.6 | 1.36 | 2.7 | 1.03 | 3.7 | 1.16 | 2.7 | 1.17 | 1.8 | 1.10 |

TABLE 2090. ANCHOR TEST EQUATING STUDY: GRADE 4

TESTS OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 3, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|------------------|--------------------------------|-------|--|-------------------|
| | COMPREHENSION | ERROR | COMPREHENSION | ERROR | COMPREHENSION | ERROR | PART 2 (COMPR.) | READING (COMPR.) | MAT EQUIV. | ERROR | MAT EQUIV. | PARAGRAPH MEANING |
| 68 | | | | | 45.4 | .07 | | | | | 45.4 | .04 |
| 67 | | | | | 45.4 | .11 | | | | | 45.1 | .12 |
| 66 | | | | | 45.1 | .16 | | | | | 44.9 | .17 |
| 65 | | | | | 44.9 | .15 | | | | | 44.6 | .17 |
| 64 | | | | | 44.7 | .14 | | | | | 44.4 | .17 |
| 63 | | | | | 44.4 | .15 | | | | | 44.1 | .17 |
| 62 | | | | | 44.2 | .14 | | | | | 43.8 | .15 |
| 61 | | | | | 44.0 | .20 | | | | | 43.4 | .17 |
| 60 | | | | | 43.5 | .19 | | | | | 42.9 | .19 |
| 59 | | | | | 43.1 | .19 | | | | | 42.5 | .20 |
| 58 | | | | | 42.7 | .19 | | | | | 42.2 | .20 |
| 57 | | | | | 42.3 | .22 | | | | | 41.9 | .24 |
| 56 | | | | | 41.9 | .20 | | | | | 41.5 | .24 |
| 55 | | | | | 41.5 | .24 | | | | | 41.1 | .22 |
| 54 | | | | | 41.1 | .22 | | | | | 40.7 | .23 |
| 53 | | | | | 40.7 | .23 | | | | | 40.3 | .26 |
| 52 | | | | | 40.3 | .26 | | | | | 39.9 | .28 |
| 51 | | | | | 39.9 | .28 | | | | | 39.5 | .33 |
| 50 | | | | | 39.5 | .33 | | | | | 39.0 | .33 |
| 49 | | | | | 39.0 | .33 | | | | | 38.5 | .36 |
| 48 | | | | | 38.5 | .36 | | | | | 38.0 | .37 |
| 47 | | | | | 38.0 | .37 | | | | | 37.5 | .37 |
| 46 | | | | | 37.5 | .37 | | | | | 37.0 | .41 |
| 45 | | | 45.2 | .12 | 37.0 | .41 | | | | | 36.5 | .45 |
| 44 | | | 44.7 | .20 | 36.5 | .45 | | | | | 35.9 | .48 |
| 43 | | | 44.2 | .27 | 35.9 | .48 | | | | | 35.3 | .50 |
| 42 | | | 43.4 | .30 | 35.3 | .50 | | | | | 34.7 | .54 |
| 41 | | | 42.6 | .32 | 34.7 | .54 | | | | | 34.0 | .59 |
| 40 | | | 41.9 | .33 | 34.0 | .59 | | | | | 33.4 | .64 |
| 39 | | | 41.5 | .36 | 33.4 | .64 | | | | | 32.8 | .69 |
| 38 | | | 40.5 | .41 | 32.8 | .69 | | | | | 32.2 | .73 |
| 37 | | | 39.7 | .44 | 32.2 | .73 | | | | | 31.6 | .83 |
| 36 | | | 38.9 | .53 | 31.6 | .83 | | | | | 30.9 | .85 |
| 35 | | | 38.1 | .60 | 30.9 | .85 | | | | | 30.2 | .94 |
| 34 | | | 37.3 | .68 | 30.2 | .94 | | | | | 29.5 | .98 |
| 33 | | | 36.4 | .76 | 29.5 | .98 | | | | | 28.7 | 1.06 |
| 32 | | | 35.5 | .86 | 28.7 | 1.06 | | | | | 28.0 | 1.06 |
| 31 | | | 34.5 | .96 | 28.0 | 1.06 | | | | | 27.2 | 1.05 |
| 30 | | | 33.5 | 1.09 | 27.2 | 1.05 | 45.1 | .07 | | | 30.8 | .49 |
| 29 | | | 32.6 | 1.24 | 26.4 | 1.03 | 44.4 | .53 | | | 30.5 | .89 |
| 28 | | | 31.6 | 1.33 | 25.7 | 1.04 | 43.6 | .61 | | | 29.6 | .95 |
| | | | | | | | | | | | 28.6 | .99 |

TESTS OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

PROCEDURE 3, EQUIPERCENTILE

| RAM SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (67 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 27 | 34.9 | .45 | 30.6 | 1.44 | 24.8 | 1.01 | 42.7 | .26 | 34.7 | .66 | 27.5 | 1.04 |
| 26 | 33.7 | .51 | 29.7 | 1.51 | 24.0 | 1.02 | 41.9 | .25 | 33.3 | .74 | 26.5 | 1.05 |
| 25 | 32.5 | .52 | 28.7 | 1.55 | 23.1 | 1.00 | 41.1 | .29 | 33.0 | .80 | 25.5 | 1.09 |
| 24 | 31.0 | .68 | 27.6 | 1.51 | 22.3 | .97 | 40.3 | .29 | 32.1 | .87 | 24.4 | 1.11 |
| 23 | 29.5 | .81 | 26.6 | 1.49 | 21.5 | .94 | 39.5 | .30 | 31.2 | .95 | 23.3 | 1.11 |
| 22 | 27.7 | 1.00 | 25.5 | 1.45 | 20.6 | .91 | 38.7 | .34 | 30.0 | 1.04 | 22.1 | 1.04 |
| 21 | 26.1 | 1.03 | 24.4 | 1.39 | 19.5 | .87 | 37.7 | .38 | 28.7 | 1.14 | 21.1 | .98 |
| 20 | 24.5 | 1.12 | 23.4 | 1.32 | 18.3 | .91 | 37.0 | .44 | 27.2 | 1.17 | 20.0 | .93 |
| 19 | 22.9 | 1.16 | 22.3 | 1.28 | 16.8 | .85 | 35.9 | .50 | 25.6 | 1.13 | 18.8 | .95 |
| 18 | 21.3 | 1.19 | 21.3 | 1.29 | 15.6 | .83 | 34.7 | .56 | 23.9 | 1.11 | 17.5 | .93 |
| 17 | 19.0 | 1.19 | 20.2 | 1.28 | 14.4 | .80 | 33.4 | .63 | 22.2 | 1.03 | 16.2 | .86 |
| 16 | 18.5 | 1.19 | 18.9 | 1.29 | 13.2 | .74 | 32.0 | .72 | 20.7 | .99 | 14.9 | .84 |
| 15 | 17.2 | 1.17 | 17.6 | 1.26 | 12.1 | .66 | 30.5 | .87 | 19.1 | 1.01 | 13.7 | .81 |
| 14 | 15.8 | 1.11 | 16.2 | 1.15 | 11.0 | .57 | 28.7 | .99 | 17.3 | .95 | 12.5 | .76 |
| 13 | 14.5 | 1.02 | 14.7 | 1.07 | 9.9 | .53 | 26.8 | 1.08 | 15.6 | .90 | 11.5 | .66 |
| 12 | 13.1 | .98 | 13.5 | .98 | 8.9 | .45 | 24.7 | 1.09 | 14.0 | .85 | 10.6 | .59 |
| 11 | 11.9 | .85 | 12.2 | .88 | 8.0 | .42 | 22.4 | 1.04 | 12.5 | .79 | 9.7 | .57 |
| 10 | 10.8 | .70 | 11.0 | .76 | 7.2 | .38 | 20.0 | 1.00 | 11.2 | .68 | 8.9 | .51 |
| 9 | 9.6 | .59 | 9.8 | .70 | 6.5 | .43 | 17.7 | 1.04 | 10.0 | .59 | 8.1 | .50 |
| 8 | 8.4 | .54 | 8.6 | .69 | 5.9 | .49 | 15.4 | .96 | 8.9 | .54 | 7.3 | .53 |
| 7 | 7.3 | .43 | 7.3 | .90 | 5.2 | .49 | 13.4 | .94 | 7.8 | .54 | 6.5 | .55 |
| 6 | 6.1 | .41 | 6.2 | .83 | 4.4 | .52 | 11.6 | .82 | 6.7 | .52 | 5.8 | .59 |
| 5 | 5.0 | .40 | 5.2 | .78 | 3.7 | .51 | 10.0 | .64 | 5.6 | .43 | 5.0 | .65 |
| 4 | 4.0 | .52 | 4.2 | .78 | 2.9 | .58 | 8.4 | .52 | 4.5 | .34 | 4.0 | .64 |
| 3 | 3.0 | .62 | 3.1 | .85 | 2.2 | .66 | 6.7 | .42 | 3.4 | .35 | 3.0 | .68 |
| 2 | 2.0 | .71 | 2.1 | 1.00 | 1.4 | .76 | 4.5 | .42 | 2.3 | .47 | 2.0 | .74 |
| 1 | 1.0 | .83 | 1.1 | .91 | .6 | .81 | 2.5 | .81 | 1.2 | .66 | 1.0 | .85 |
| 0 | .0 | .78 | .0 | .98 | .0 | .82 | .5 | .94 | .1 | .54 | .0 | .97 |

TABLE 2091. ANCHOR TEST EQUATING STUDY: GRADE 4

RATES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM O | | ITBS (71 ED.) LEVEL 4 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) ALUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | | |
|-----------|-----------------------------------|------------|------------------------------------|------------|------------------------------------|------------|---------------------------------------|------------------|--------------------------------|-------|--|-------|------------|
| | COMPREHENSION | MAT EQUIV. | COMPREHENSION | MAT EQUIV. | COMPREHENSION | MAT EQUIV. | PART 2 (COMPR.) | READING (COMPR.) | PARAGRAPH MEANING | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. |
| 58 | | | | | 54.6 | | | | | | | 55.3 | .47 |
| 67 | | | | | 53.9 | | | | | | | 54.4 | .47 |
| 66 | | | | | 53.1 | | | | | | | 53.5 | .44 |
| 65 | | | | | 52.3 | | | | | | | 52.0 | .43 |
| 64 | | | | | 51.6 | | | | | | | 51.7 | .42 |
| 63 | | | | | 50.8 | | | | | | | 50.8 | .38 |
| 62 | | | | | 50.0 | | | | | | | 49.9 | .37 |
| 61 | | | | | 49.3 | | | | | | | 49.0 | .37 |
| 60 | | | | | 48.5 | | | | | | | 48.1 | .31 |
| 59 | | | | | 47.7 | | | | | | | 47.2 | .31 |
| 58 | | | | | 47.0 | | | | | | | 46.3 | .29 |
| 57 | | | | | 46.2 | | | | | | | 45.4 | .30 |
| 56 | | | | | 45.5 | | | | | | | 44.5 | .29 |
| 55 | | | | | 44.7 | | | | | | | 43.6 | .25 |
| 54 | | | | | 44.0 | | | | | | | 42.7 | .25 |
| 53 | | | | | 43.2 | | | | | | | 41.8 | .23 |
| 52 | | | | | 42.5 | | | | | | | 40.9 | .23 |
| 51 | | | | | 41.7 | | | | | | | 40.1 | .21 |
| 50 | | | | | 41.0 | | | | | | | 39.2 | .18 |
| 49 | | | | | 40.2 | | | | | | | 38.2 | .21 |
| 48 | | | | | 39.4 | | | | | | | 37.3 | .21 |
| 47 | | | | | 38.7 | | | | | | | 36.4 | .21 |
| 46 | | | | | 37.9 | | | | | | | 35.7 | .19 |
| 45 | | | | | 37.1 | .23 | | | | | | 34.6 | .19 |
| 44 | | | | | 36.4 | .19 | | | | | | 33.8 | .18 |
| 43 | | | | | 35.6 | .2 | | | | | | 32.9 | .18 |
| 42 | | | | | 34.8 | .21 | | | | | | 32.0 | .18 |
| 41 | | | | | 34.1 | .21 | | | | | | 31.1 | .23 |
| 40 | | | | | 33.3 | .21 | | | | | | 30.1 | .23 |
| 39 | | | | | 32.6 | .19 | | | | | | 29.2 | .23 |
| 38 | | | | | 31.8 | .19 | | | | | | 28.3 | .25 |
| 37 | | | | | 31.1 | .17 | | | | | | 27.5 | .24 |
| 36 | | | | | 30.3 | .19 | | | | | | 26.6 | .24 |
| 35 | | | | | 29.5 | .17 | | | | | | | |
| 34 | | | | | 28.8 | .17 | | | | | | | |
| 33 | | | | | 28.0 | .21 | | | | | | | |
| 32 | | | | | 27.3 | .18 | | | | | | | |
| 31 | | | | | 26.5 | .20 | | | | | | | |
| 30 | | | | | 25.7 | .20 | | | | | | | |
| 29 | | | | | 25.0 | .21 | | | | | | | |
| 28 | | | | | 24.2 | .20 | | | | | | | |

TABLE 2091. ANCHOR TEST EQUATING STUDY: GRADE 4

RATES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 1 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 27 | 34.3 | .20 | 29.7 | .21 | 23.5 | .31 | 48.4 | .27 | 32.1 | .21 | 25.7 | .27 |
| 26 | 33.0 | .20 | 28.7 | .22 | 22.7 | .33 | 46.8 | .26 | 30.9 | .20 | 24.8 | .28 |
| 25 | 31.7 | .21 | 27.6 | .22 | 21.9 | .34 | 45.2 | .25 | 29.8 | .23 | 23.9 | .31 |
| 24 | 30.4 | .24 | 26.5 | .26 | 21.2 | .35 | 43.6 | .23 | 28.7 | .24 | 23.0 | .32 |
| 23 | 29.0 | .25 | 25.5 | .24 | 20.4 | .35 | 41.9 | .15 | 27.6 | .27 | 22.1 | .32 |
| 22 | 27.7 | .25 | 24.4 | .26 | 19.6 | .37 | 40.3 | .17 | 26.5 | .27 | 21.2 | .31 |
| 21 | 26.4 | .27 | 23.4 | .27 | 18.9 | .41 | 38.6 | .14 | 25.4 | .31 | 20.3 | .37 |
| 20 | 25.1 | .29 | 22.3 | .28 | 18.1 | .42 | 37.0 | .12 | 24.3 | .32 | 19.4 | .37 |
| 19 | 23.8 | .30 | 21.3 | .27 | 17.4 | .41 | 35.4 | .10 | 23.1 | .32 | 18.5 | .37 |
| 18 | 22.5 | .32 | 20.2 | .28 | 16.6 | .42 | 33.7 | .13 | 22.0 | .33 | 17.6 | .40 |
| 17 | 21.2 | .33 | 19.2 | .30 | 15.9 | .42 | 32.1 | .13 | 20.9 | .34 | 16.7 | .40 |
| 16 | 19.9 | .34 | 18.1 | .33 | 15.1 | .43 | 30.5 | .15 | 19.8 | .38 | 15.8 | .46 |
| 15 | 18.6 | .36 | 17.1 | .31 | 14.4 | .47 | 28.9 | .18 | 18.6 | .40 | 14.9 | .43 |
| 14 | 17.3 | .37 | 16.0 | .33 | 13.6 | .48 | 27.2 | .19 | 17.5 | .42 | 14.0 | .44 |
| 13 | 16.0 | .41 | 15.0 | .35 | 12.8 | .48 | 25.6 | .22 | 16.4 | .44 | 13.1 | .51 |
| 12 | 14.7 | .42 | 13.9 | .38 | 12.1 | .49 | 24.0 | .25 | 15.3 | .46 | 12.2 | .51 |
| 11 | 13.4 | .44 | 12.9 | .39 | 11.3 | .52 | 22.3 | .26 | 14.2 | .48 | 11.3 | .53 |
| 10 | 12.1 | .46 | 11.8 | .38 | 10.5 | .55 | 20.7 | .29 | 13.1 | .49 | 10.4 | .56 |
| 9 | 10.7 | .50 | 10.8 | .39 | 9.8 | .56 | 19.0 | .37 | 11.9 | .53 | 9.5 | .58 |
| 8 | 9.4 | .53 | 9.7 | .41 | 9.0 | .55 | 17.4 | .38 | 10.8 | .55 | 8.6 | .59 |
| 7 | 8.1 | .54 | 8.6 | .41 | 8.2 | .57 | 15.8 | .39 | 9.7 | .55 | 7.7 | .60 |
| 6 | 6.8 | .54 | 7.6 | .43 | 7.5 | .60 | 14.1 | .43 | 8.6 | .58 | 6.8 | .60 |
| 5 | 5.5 | .59 | 6.5 | .45 | 6.7 | .59 | 12.5 | .46 | 7.4 | .64 | 5.9 | .63 |
| 4 | 4.2 | .61 | 5.5 | .46 | 6.0 | .61 | 10.9 | .51 | 6.3 | .65 | 5.0 | .67 |
| 3 | 2.9 | .63 | 4.4 | .48 | 5.2 | .64 | 9.3 | .53 | 5.2 | .66 | 4.1 | .67 |
| 2 | 1.6 | .65 | 3.4 | .48 | 4.5 | .65 | 7.6 | .56 | 4.1 | .66 | 3.2 | .66 |
| 1 | .3 | .69 | 2.3 | .51 | 3.7 | .65 | 6.0 | .59 | 3.0 | .69 | 2.3 | .70 |
| 0 | 1.1 | .73 | 1.3 | .48 | 3.0 | .68 | 4.4 | .59 | 1.9 | .69 | 1.4 | .73 |

NOTES OF ERROR IN EQUATING THE COMPREHENSION SURTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM E | | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|------------------|--------------------------------|-------|--|------------|-----|
| | COMPREHENSION | ERROR | COMPREHENSION | ERROR | COMPREHENSION | ERROR | PART 2 (COMPR.) | READING (COMPR.) | READING (COMPR.) | ERROR | MAT EQUIV. | PARAGRAPHS | |
| 68 | | | | | 45.4 | .00 | | | | | | 45.4 | .00 |
| 67 | | | | | 45.4 | .05 | | | | | | 45.3 | .11 |
| 66 | | | | | 45.3 | .08 | | | | | | 45.1 | .15 |
| 65 | | | | | 45.0 | .06 | | | | | | 44.8 | .18 |
| 64 | | | | | 44.7 | .11 | | | | | | 44.4 | .15 |
| 63 | | | | | 44.5 | .11 | | | | | | 44.1 | .15 |
| 62 | | | | | 44.2 | .13 | | | | | | 43.8 | .17 |
| 61 | | | | | 43.9 | .16 | | | | | | 43.3 | .16 |
| 60 | | | | | 43.5 | .17 | | | | | | 42.9 | .17 |
| 59 | | | | | 43.0 | .25 | | | | | | 42.5 | .13 |
| 58 | | | | | 42.7 | .18 | | | | | | 42.1 | .15 |
| 57 | | | | | 42.3 | .20 | | | | | | 41.7 | .18 |
| 56 | | | | | 41.9 | .19 | | | | | | 41.3 | .15 |
| 55 | | | | | 41.5 | .17 | | | | | | 41.0 | .19 |
| 54 | | | | | 41.1 | .17 | | | | | | 40.6 | .18 |
| 53 | | | | | 40.7 | .15 | | | | | | 40.1 | .18 |
| 52 | | | | | 40.3 | .17 | | | | | | 39.7 | .17 |
| 51 | | | | | 40.0 | .13 | | | | | | 39.2 | .17 |
| 50 | | | | | 39.6 | .16 | | | | | | 38.7 | .15 |
| 49 | | | | | 39.1 | .17 | | | | | | 38.3 | .18 |
| 48 | | | | | 38.6 | .17 | | | | | | 37.8 | .19 |
| 47 | | | | | 38.2 | .19 | | | | | | 37.2 | .21 |
| 46 | | | | | 37.7 | .15 | | | | | | 36.7 | .22 |
| 45 | | | | | 37.3 | .19 | | | | | | 36.2 | .22 |
| 44 | | | | | 36.7 | .22 | | | | | | 35.6 | .25 |
| 43 | | | | | 36.2 | .22 | | | | | | 34.9 | .28 |
| 42 | | | | | 35.6 | .25 | | | | | | 34.3 | .25 |
| 41 | | | | | 34.9 | .28 | | | | | | 33.7 | .23 |
| 40 | | | | | 34.3 | .25 | | | | | | 33.2 | .24 |
| 39 | | | | | 33.7 | .23 | | | | | | 32.6 | .24 |
| 38 | | | | | 33.2 | .24 | | | | | | 32.0 | .26 |
| 37 | | | | | 32.6 | .24 | | | | | | 31.4 | .29 |
| 36 | | | | | 32.0 | .26 | | | | | | 30.7 | .31 |
| 35 | | | | | 31.4 | .29 | | | | | | 30.0 | .32 |
| 34 | | | | | 30.7 | .31 | | | | | | 29.2 | .35 |
| 33 | | | | | 30.0 | .32 | | | | | | 28.5 | .36 |
| 32 | | | | | 29.2 | .35 | | | | | | 27.7 | .36 |
| 31 | | | | | 28.5 | .36 | | | | | | 26.9 | .33 |
| 30 | | | | | 27.7 | .36 | | | | | | 26.1 | .31 |
| 29 | | | | | 26.9 | .33 | | | | | | 25.9 | .33 |
| 28 | | | | | 26.1 | .31 | | | | | | 25.2 | .28 |
| | | | | | 25.2 | .28 | | | | | | 24.5 | .28 |
| | | | | | 24.5 | .28 | | | | | | 23.7 | .26 |
| | | | | | 23.7 | .26 | | | | | | 23.1 | .27 |
| | | | | | 23.1 | .27 | | | | | | 22.4 | .22 |
| | | | | | 22.4 | .22 | | | | | | 21.7 | .21 |
| | | | | | 21.7 | .21 | | | | | | 21.1 | .21 |
| | | | | | 21.1 | .21 | | | | | | 20.4 | .19 |
| | | | | | 20.4 | .19 | | | | | | 19.7 | .17 |
| | | | | | 19.7 | .17 | | | | | | 19.1 | .15 |
| | | | | | 19.1 | .15 | | | | | | 18.4 | .14 |
| | | | | | 18.4 | .14 | | | | | | 17.7 | .13 |
| | | | | | 17.7 | .13 | | | | | | 17.1 | .12 |
| | | | | | 17.1 | .12 | | | | | | 16.4 | .11 |
| | | | | | 16.4 | .11 | | | | | | 15.7 | .10 |
| | | | | | 15.7 | .10 | | | | | | 15.1 | .09 |
| | | | | | 15.1 | .09 | | | | | | 14.4 | .08 |
| | | | | | 14.4 | .08 | | | | | | 13.7 | .07 |
| | | | | | 13.7 | .07 | | | | | | 13.1 | .06 |
| | | | | | 13.1 | .06 | | | | | | 12.4 | .05 |
| | | | | | 12.4 | .05 | | | | | | 11.7 | .04 |
| | | | | | 11.7 | .04 | | | | | | 11.1 | .03 |
| | | | | | 11.1 | .03 | | | | | | 10.4 | .02 |
| | | | | | 10.4 | .02 | | | | | | 9.7 | .01 |
| | | | | | 9.7 | .01 | | | | | | 9.1 | .00 |

TABLE 2092. ANCHOR TEST EQUATING STUDY: GRADE 4

MATES OF ERROR IN EQUATING THE COMPREHENSION SUBTESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, READING (COMPREHENSION) SUBTEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 27 | 35.8 | .26 | 30.5 | .39 | 25.3 | .26 | 42.8 | .20 | 34.1 | .26 | 27.3 | .42 |
| 26 | 34.7 | .25 | 29.4 | .39 | 24.5 | .29 | 42.0 | .19 | 33.3 | .30 | 26.2 | .44 |
| 25 | 33.5 | .23 | 28.4 | .42 | 23.5 | .30 | 41.3 | .19 | 32.4 | .33 | 25.1 | .44 |
| 24 | 32.2 | .23 | 27.3 | .40 | 22.8 | .31 | 40.6 | .17 | 31.4 | .33 | 24.1 | .47 |
| 23 | 30.8 | .29 | 26.2 | .38 | 21.9 | .31 | 39.9 | .16 | 30.5 | .36 | 22.9 | .49 |
| 22 | 29. | .33 | 25.1 | .29 | 21.0 | .33 | 39.1 | .15 | 29.2 | .35 | 21.8 | .47 |
| 21 | 27.5 | .38 | 24.1 | .26 | 19.8 | .36 | 38.3 | .11 | 27.9 | .41 | 20.7 | .47 |
| 20 | 25.8 | .39 | 23.0 | .23 | 19.5 | .41 | 37.5 | .13 | 26.4 | .36 | 19.6 | .44 |
| 19 | 24.1 | .43 | 22.0 | .25 | 17.2 | .43 | 36.5 | .11 | 24.8 | .35 | 18.4 | .46 |
| 18 | 22.5 | .44 | 20.9 | .23 | 15.8 | .45 | 35.4 | .15 | 23.1 | .35 | 17.1 | .51 |
| 17 | 20.9 | .50 | 19.8 | .27 | 14.5 | .45 | 34.2 | .15 | 21.6 | .33 | 15.9 | .54 |
| 16 | 19.6 | .44 | 18.6 | .26 | 13.4 | .47 | 32.8 | .20 | 20.0 | .33 | 14.7 | .53 |
| 15 | 18.1 | .46 | 17.3 | .32 | 12.2 | .45 | 31.4 | .27 | 18.4 | .38 | 13.5 | .57 |
| 14 | 16.5 | .52 | 15.9 | .32 | 11.0 | .42 | 29.8 | .32 | 16.7 | .45 | 12.4 | .53 |
| 13 | 15.1 | .53 | 14.5 | .36 | 9.9 | .38 | 27.8 | .36 | 15.1 | .45 | 11.4 | .61 |
| 12 | 13.7 | .54 | 13.3 | .35 | 8.8 | .38 | 25.7 | .32 | 13.6 | .43 | 10.4 | .52 |
| 11 | 12.3 | .47 | 12.0 | .33 | 8.0 | .35 | 23.3 | .32 | 12.2 | .43 | 9.6 | .50 |
| 10 | 11.0 | .46 | 10.8 | .31 | 7.1 | .42 | 20.0 | .41 | 10.8 | .40 | 8.7 | .47 |
| 9 | 9.8 | .39 | 9.6 | .25 | 6.4 | .52 | 15.4 | .46 | 9.7 | .34 | 7.8 | .49 |
| 8 | 8.6 | .32 | 8.3 | .31 | 5.7 | .56 | 14.1 | .55 | 8.5 | .36 | 7.0 | .51 |
| 7 | 7.4 | .30 | 7.1 | .45 | 5.1 | .62 | 14.0 | .56 | 7.4 | .40 | 6.3 | .52 |
| 6 | 6.3 | .40 | 6.0 | .45 | 4.3 | .64 | 12.1 | .50 | 6.4 | .42 | 5.7 | .59 |
| 5 | 5.1 | .30 | 5.1 | .42 | 3.6 | .74 | 10.2 | .49 | 5.4 | .42 | 4.8 | .51 |
| 4 | 4.1 | .38 | 4.1 | .42 | 2.8 | .75 | 8.5 | .40 | 4.2 | .45 | 3.8 | .47 |
| 3 | 3.1 | .52 | 3.1 | .47 | 2.1 | .71 | 6.7 | .27 | 3.0 | .49 | 2.9 | .51 |
| 2 | 2.1 | .62 | 2.1 | .59 | 1.4 | .73 | 4.6 | .29 | 1.9 | .53 | 1.9 | .65 |
| 1 | 1.0 | .65 | 1.1 | .53 | .6 | .83 | 2.6 | .59 | .7 | .55 | 1.0 | .75 |
| 0 | .0 | .55 | .1 | .78 | .0 | .86 | .5 | .88 | .0 | .69 | .0 | .98 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 1, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 0 FORM 5 | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM W | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|-------|------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR |
| 106 | | | | | 115.5 | 1.30 | | | | | 119.7 | 1.50 |
| 105 | | | | | 114.6 | 1.26 | | | | | 118.6 | 1.44 |
| 104 | | | | | 113.6 | 1.25 | | | | | 117.5 | 1.44 |
| 103 | | | | | 112.6 | 1.22 | | | | | 116.3 | 1.30 |
| 102 | | | | | 111.5 | 1.17 | | | | | 115.2 | 1.33 |
| 101 | | | | | 110.6 | 1.14 | | | | | 114.0 | 1.31 |
| 100 | | | | | 109.6 | 1.13 | | | | | 112.9 | 1.27 |
| 99 | | | | | 108.6 | 1.07 | | | | | 111.8 | 1.22 |
| 98 | | | | | 107.6 | 1.04 | | | | | 110.6 | 1.17 |
| 97 | | | | | 106.6 | 1.00 | | | | | 109.5 | 1.11 |
| 96 | | | | | 105.6 | .96 | | | | | 108.4 | 1.10 |
| 95 | | | | | 104.7 | .97 | | | | | 107.2 | 1.03 |
| 94 | | | | | 103.7 | .91 | | | | | 106.1 | .99 |
| 93 | | | | | 102.7 | .88 | | | | | 104.9 | .94 |
| 92 | | | | | 101.7 | .85 | | | | | 103.8 | .89 |
| 91 | | | | | 100.7 | .83 | | | | | 102.7 | .85 |
| 90 | | | | | 99.7 | .80 | | | | | 101.5 | .83 |
| 89 | | | | | 98.7 | .76 | | | | | 100.4 | .83 |
| 88 | | | | | 97.7 | .72 | | | | | 99.2 | .77 |
| 87 | | | | | 96.7 | .72 | | | | | 98.1 | .73 |
| 86 | | | | | 95.8 | .71 | | | | | 97.0 | .70 |
| 85 | | | | | 94.9 | .65 | | | | | 95.8 | .67 |
| 84 | | | | | 93.8 | .63 | | | | | 94.7 | .64 |
| 83 | | | | | 92.8 | .63 | | | | | 93.7 | .59 |
| 82 | | | | | 91.8 | .59 | | | | | 92.4 | .55 |
| 81 | | | | | 90.8 | .56 | | | | | 91.3 | .52 |
| 80 | | | | | 89.8 | .53 | | | | | 90.1 | .47 |
| 79 | | | | | 89.8 | .50 | | | | | 89.0 | .45 |
| 78 | | | | | 87.8 | .50 | | | | | 87.9 | .43 |
| 77 | | | | | 86.8 | .49 | | | | | 86.7 | .40 |
| 76 | | | | | 85.9 | .46 | | | | | 85.6 | .33 |
| 75 | | | | | 84.9 | .45 | | | | | 84.4 | .37 |
| 74 | | | | | 83.9 | .44 | | | | | 83.3 | .34 |
| 73 | | | | | 82.9 | .43 | | | | | | |
| 72 | | | | | 81.9 | .42 | | | | | | |
| 71 | | | | | 80.9 | .42 | | | | | | |
| 70 | | | | | 79.9 | .41 | | | | | | |
| 69 | | | | | 78.9 | .43 | | | | | | |
| 68 | | | | | 77.9 | .41 | | | | | | |
| 67 | | | | | 76.9 | .42 | | | | | | |
| 66 | | | | | 76.0 | .42 | | | | | | |

TABLE 2093. ANCHOR TEST EQUATING STUDY: GRADE 4

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 1, LINEAR

| RA# | SCORE | CAT (70 ED.) | | | CTBS (68 ED.) | | | ITRS (71 ED.) | | | STEP-11 (69 ED.) | | | SRA (71 ED.) | | | SAT (64 ED.) | | |
|-----|-------|---------------|------------|-------|---------------|------------|-------|---------------|------------|-------|------------------|------------|-------|---------------|------------|-------|----------------|------------|-------|
| | | LEVEL 3 | | | LEVEL 2 | | | LEVEL 1C | | | LEVEL 4 | | | BLUE | | | INTERMEDIATE 1 | | |
| | | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
| 65 | 92.9 | .45 | 83.1 | .36 | 75.0 | .43 | 85.3 | .32 | 82.2 | .33 | 82.2 | .33 | 82.2 | .33 | 82.2 | .33 | 82.2 | .33 | 82.2 |
| 64 | 91.6 | .41 | 81.9 | .33 | 74.0 | .46 | 84.2 | .34 | 81.0 | .34 | 84.2 | .34 | 81.0 | .34 | 84.2 | .34 | 81.0 | .34 | 84.2 |
| 63 | 90.2 | .35 | 80.7 | .33 | 73.0 | .47 | 83.0 | .31 | 79.9 | .31 | 83.0 | .31 | 79.9 | .31 | 83.0 | .31 | 79.9 | .31 | 83.0 |
| 62 | 88.8 | .32 | 79.5 | .32 | 72.0 | .50 | 81.9 | .31 | 78.7 | .31 | 81.9 | .31 | 78.7 | .31 | 81.9 | .31 | 78.7 | .31 | 81.9 |
| 61 | 87.5 | .29 | 78.2 | .31 | 71.0 | .51 | 80.7 | .29 | 77.6 | .29 | 80.7 | .29 | 77.6 | .29 | 80.7 | .29 | 77.6 | .29 | 80.7 |
| 60 | 86.1 | .25 | 77.0 | .31 | 70.0 | .55 | 79.5 | .25 | 76.5 | .25 | 79.5 | .25 | 76.5 | .25 | 79.5 | .25 | 76.5 | .25 | 79.5 |
| 59 | 84.7 | .24 | 75.8 | .31 | 69.0 | .56 | 78.4 | .24 | 75.3 | .24 | 78.4 | .24 | 75.3 | .24 | 78.4 | .24 | 75.3 | .24 | 78.4 |
| 58 | 83.4 | .21 | 74.6 | .32 | 68.0 | .60 | 77.2 | .21 | 74.2 | .21 | 77.2 | .21 | 74.2 | .21 | 77.2 | .21 | 74.2 | .21 | 77.2 |
| 57 | 82.0 | .21 | 73.4 | .33 | 67.1 | .62 | 76.1 | .21 | 73.1 | .21 | 76.1 | .21 | 73.1 | .21 | 76.1 | .21 | 73.1 | .21 | 76.1 |
| 56 | 80.6 | .22 | 72.2 | .33 | 66.1 | .64 | 74.9 | .22 | 71.9 | .22 | 74.9 | .22 | 71.9 | .22 | 74.9 | .22 | 71.9 | .22 | 74.9 |
| 55 | 79.3 | .21 | 71.0 | .33 | 65.1 | .65 | 73.8 | .21 | 70.8 | .21 | 73.8 | .21 | 70.8 | .21 | 73.8 | .21 | 70.8 | .21 | 73.8 |
| 54 | 77.9 | .23 | 69.8 | .42 | 64.1 | .66 | 72.6 | .23 | 69.6 | .23 | 72.6 | .23 | 69.6 | .23 | 72.6 | .23 | 69.6 | .23 | 72.6 |
| 53 | 76.5 | .27 | 68.6 | .42 | 63.1 | .71 | 71.5 | .27 | 68.5 | .27 | 71.5 | .27 | 68.5 | .27 | 71.5 | .27 | 68.5 | .27 | 71.5 |
| 52 | 75.2 | .27 | 67.4 | .48 | 62.1 | .72 | 70.3 | .27 | 67.4 | .27 | 70.3 | .27 | 67.4 | .27 | 70.3 | .27 | 67.4 | .27 | 70.3 |
| 51 | 73.8 | .32 | 66.2 | .51 | 61.1 | .77 | 69.2 | .32 | 66.2 | .32 | 69.2 | .32 | 66.2 | .32 | 69.2 | .32 | 66.2 | .32 | 69.2 |
| 50 | 72.4 | .37 | 65.0 | .52 | 60.1 | .80 | 68.0 | .37 | 65.0 | .37 | 68.0 | .37 | 65.0 | .37 | 68.0 | .37 | 65.0 | .37 | 68.0 |
| 49 | 71.1 | .39 | 63.8 | .55 | 59.1 | .82 | 66.9 | .39 | 63.9 | .39 | 66.9 | .39 | 63.9 | .39 | 66.9 | .39 | 63.9 | .39 | 66.9 |
| 48 | 69.7 | .44 | 62.6 | .60 | 58.1 | .85 | 65.7 | .44 | 62.6 | .44 | 65.7 | .44 | 62.6 | .44 | 65.7 | .44 | 62.6 | .44 | 65.7 |
| 47 | 68.3 | .48 | 61.4 | .62 | 57.2 | .89 | 64.6 | .48 | 61.7 | .48 | 64.6 | .48 | 61.7 | .48 | 64.6 | .48 | 61.7 | .48 | 64.6 |
| 46 | 67.0 | .53 | 60.2 | .68 | 56.2 | .91 | 63.4 | .46 | 60.5 | .46 | 63.4 | .46 | 60.5 | .46 | 63.4 | .46 | 60.5 | .46 | 63.4 |
| 45 | 65.6 | .58 | 59.0 | .71 | 55.2 | .94 | 62.2 | .45 | 59.4 | .45 | 62.2 | .45 | 59.4 | .45 | 62.2 | .45 | 59.4 | .45 | 62.2 |
| 44 | 64.2 | .63 | 57.8 | .75 | 54.2 | .97 | 61.1 | .44 | 58.3 | .44 | 61.1 | .44 | 58.3 | .44 | 61.1 | .44 | 58.3 | .44 | 61.1 |
| 43 | 62.9 | .64 | 56.5 | .80 | 53.2 | 1.02 | 59.9 | .43 | 57.1 | .43 | 59.9 | .43 | 57.1 | .43 | 59.9 | .43 | 57.1 | .43 | 59.9 |
| 42 | 61.5 | .69 | 55.3 | .84 | 52.2 | 1.05 | 58.8 | .42 | 56.0 | .42 | 58.8 | .42 | 56.0 | .42 | 58.8 | .42 | 56.0 | .42 | 58.8 |
| 41 | 60.1 | .75 | 54.1 | .87 | 51.2 | 1.06 | 57.6 | .41 | 54.8 | .41 | 57.6 | .41 | 54.8 | .41 | 57.6 | .41 | 54.8 | .41 | 57.6 |
| 40 | 58.8 | .77 | 52.9 | .90 | 50.2 | 1.10 | 56.5 | .40 | 53.7 | .40 | 56.5 | .40 | 53.7 | .40 | 56.5 | .40 | 53.7 | .40 | 56.5 |
| 39 | 57.4 | .82 | 51.7 | .96 | 49.2 | 1.13 | 55.3 | .39 | 52.6 | .39 | 55.3 | .39 | 52.6 | .39 | 55.3 | .39 | 52.6 | .39 | 55.3 |
| 38 | 56.0 | .88 | 50.5 | .99 | 48.2 | 1.18 | 54.2 | .38 | 51.4 | .38 | 54.2 | .38 | 51.4 | .38 | 54.2 | .38 | 51.4 | .38 | 54.2 |
| 37 | 54.7 | .91 | 49.3 | 1.03 | 47.3 | 1.18 | 53.0 | .37 | 50.3 | .37 | 53.0 | .37 | 50.3 | .37 | 53.0 | .37 | 50.3 | .37 | 53.0 |
| 36 | 53.3 | .96 | 48.1 | 1.08 | 46.3 | 1.23 | 51.9 | .36 | 49.1 | .36 | 51.9 | .36 | 49.1 | .36 | 51.9 | .36 | 49.1 | .36 | 51.9 |
| 35 | 51.9 | 1.02 | 46.9 | 1.13 | 45.3 | 1.25 | 50.7 | .35 | 48.0 | .35 | 50.7 | .35 | 48.0 | .35 | 50.7 | .35 | 48.0 | .35 | 50.7 |
| 34 | 50.5 | 1.07 | 45.7 | 1.13 | 44.3 | 1.30 | 49.6 | .34 | 46.7 | .34 | 49.6 | .34 | 46.7 | .34 | 49.6 | .34 | 46.7 | .34 | 49.6 |
| 33 | 49.2 | 1.09 | 44.5 | 1.19 | 43.3 | 1.33 | 48.4 | .33 | 45.7 | .33 | 48.4 | .33 | 45.7 | .33 | 48.4 | .33 | 45.7 | .33 | 48.4 |
| 32 | 47.8 | 1.14 | 43.3 | 1.24 | 42.3 | 1.36 | 47.3 | .32 | 44.6 | .32 | 47.3 | .32 | 44.6 | .32 | 47.3 | .32 | 44.6 | .32 | 47.3 |
| 31 | 46.4 | 1.22 | 42.1 | 1.26 | 41.3 | 1.39 | 46.1 | .31 | 43.5 | .31 | 46.1 | .31 | 43.5 | .31 | 46.1 | .31 | 43.5 | .31 | 46.1 |
| 30 | 45.1 | 1.25 | 40.9 | 1.31 | 40.3 | 1.44 | 45.0 | .30 | 42.3 | .30 | 45.0 | .30 | 42.3 | .30 | 45.0 | .30 | 42.3 | .30 | 45.0 |
| 29 | 43.7 | 1.30 | 39.7 | 1.35 | 39.3 | 1.46 | 43.7 | .29 | 41.2 | .29 | 43.7 | .29 | 41.2 | .29 | 43.7 | .29 | 41.2 | .29 | 43.7 |
| 28 | 42.3 | 1.35 | 38.5 | 1.39 | 38.4 | 1.47 | 42.3 | .28 | 40.0 | .28 | 42.3 | .28 | 40.0 | .28 | 42.3 | .28 | 40.0 | .28 | 42.3 |
| 27 | 41.0 | 1.37 | 37.3 | 1.43 | 37.4 | 1.52 | 41.0 | .27 | 38.9 | .27 | 41.0 | .27 | 38.9 | .27 | 41.0 | .27 | 38.9 | .27 | 41.0 |
| 26 | 39.5 | 1.42 | 36.1 | 1.48 | 36.4 | 1.54 | 39.5 | .26 | 37.8 | .26 | 39.5 | .26 | 37.8 | .26 | 39.5 | .26 | 37.8 | .26 | 39.5 |
| 25 | 38.2 | 1.48 | 34.8 | 1.52 | 35.4 | 1.58 | 38.2 | .25 | 36.6 | .25 | 38.2 | .25 | 36.6 | .25 | 38.2 | .25 | 36.6 | .25 | 38.2 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE: LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | | CTBS (68 ED.) LEVEL 2 FORM Q | | | ITBS (71 ED.) LEVEL 3 FORM 5 | | | STEP-II (69 ED.) LEVEL 4 FORM A | | | SRA (71 ED.) ALUE FORM E | | | SAT (64 ED.) INTERMEDIATE I FORM W | | |
|-----------|-----------------------------------|------------|-------|------------------------------------|------------|-------|------------------------------------|------------|-------|---------------------------------------|------------|-------|--------------------------------|------------|-------|--|------------|-------|
| | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
| 24 | 36.9 | 1.50 | 1.56 | 33.6 | 1.56 | 1.63 | 34.4 | 1.63 | 1.63 | 48.9 | 1.03 | 1.03 | 33.0 | 1.55 | 1.55 | 35.5 | 1.70 | 1.70 |
| 23 | 35.5 | 1.55 | 1.62 | 32.4 | 1.62 | 1.65 | 33.4 | 1.65 | 1.65 | 47.0 | 1.09 | 1.09 | 35.9 | 1.57 | 1.57 | 34.3 | 1.75 | 1.75 |
| 22 | 34.1 | 1.61 | 1.64 | 31.2 | 1.64 | 1.67 | 32.4 | 1.67 | 1.67 | 45.1 | 1.14 | 1.14 | 35.7 | 1.62 | 1.62 | 33.2 | 1.80 | 1.80 |
| 21 | 32.8 | 1.64 | 1.69 | 30.0 | 1.69 | 1.73 | 31.4 | 1.73 | 1.73 | 43.3 | 1.20 | 1.20 | 34.6 | 1.65 | 1.65 | 32.1 | 1.83 | 1.83 |
| 20 | 31.4 | 1.71 | 1.73 | 28.8 | 1.73 | 1.76 | 30.4 | 1.76 | 1.76 | 41.4 | 1.28 | 1.28 | 33.4 | 1.69 | 1.69 | 30.9 | 1.88 | 1.88 |
| 19 | 30.0 | 1.76 | 1.77 | 27.6 | 1.77 | 1.80 | 29.4 | 1.80 | 1.80 | 39.6 | 1.32 | 1.32 | 32.3 | 1.76 | 1.76 | 29.8 | 1.93 | 1.93 |
| 18 | 29.7 | 1.78 | 1.79 | 26.4 | 1.79 | 1.81 | 28.5 | 1.81 | 1.81 | 37.8 | 1.38 | 1.38 | 31.1 | 1.80 | 1.80 | 28.6 | 1.97 | 1.97 |
| 17 | 27.3 | 1.83 | 1.86 | 25.2 | 1.86 | 1.89 | 27.5 | 1.89 | 1.89 | 35.9 | 1.44 | 1.44 | 30.0 | 1.83 | 1.83 | 27.5 | 1.98 | 1.98 |
| 16 | 25.9 | 1.88 | 1.87 | 24.0 | 1.87 | 1.89 | 26.5 | 1.89 | 1.89 | 34.1 | 1.50 | 1.50 | 28.8 | 1.87 | 1.87 | 26.4 | 2.03 | 2.03 |
| 15 | 24.6 | 1.91 | 1.92 | 22.8 | 1.92 | 1.91 | 25.5 | 1.91 | 1.91 | 32.2 | 1.59 | 1.59 | 27.7 | 1.90 | 1.90 | 25.2 | 2.04 | 2.04 |
| 14 | 23.2 | 1.96 | 1.98 | 21.6 | 1.98 | 1.94 | 24.5 | 1.94 | 1.94 | 30.4 | 1.62 | 1.62 | 26.5 | 1.95 | 1.95 | 24.1 | 2.15 | 2.15 |
| 13 | 21.8 | 2.05 | 2.00 | 20.4 | 2.00 | 1.93 | 23.5 | 1.93 | 1.93 | 28.6 | 1.65 | 1.65 | 25.3 | 1.99 | 1.99 | 23.0 | 2.18 | 2.18 |
| 12 | 20.5 | 2.06 | 2.06 | 19.2 | 2.06 | 2.02 | 22.5 | 2.02 | 2.02 | 26.7 | 1.72 | 1.72 | 24.2 | 2.02 | 2.02 | 21.9 | 2.21 | 2.21 |
| 11 | 19.1 | 2.11 | 2.10 | 18.0 | 2.10 | 2.04 | 21.5 | 2.04 | 2.04 | 24.9 | 1.79 | 1.79 | 23.0 | 2.06 | 2.06 | 20.7 | 2.26 | 2.26 |
| 10 | 17.7 | 2.17 | 2.12 | 16.8 | 2.12 | 2.09 | 20.5 | 2.09 | 2.09 | 23.0 | 1.87 | 1.87 | 21.9 | 2.09 | 2.09 | 19.5 | 2.29 | 2.29 |
| 9 | 16.4 | 2.19 | 2.17 | 15.6 | 2.17 | 2.11 | 19.6 | 2.11 | 2.11 | 21.2 | 1.91 | 1.91 | 20.7 | 2.16 | 2.16 | 18.4 | 2.32 | 2.32 |
| 8 | 15.0 | 2.24 | 2.21 | 14.4 | 2.21 | 2.15 | 18.5 | 2.15 | 2.15 | 19.4 | 1.95 | 1.95 | 19.6 | 2.19 | 2.19 | 17.3 | 2.37 | 2.37 |
| 7 | 13.6 | 2.29 | 2.24 | 13.2 | 2.24 | 2.18 | 17.6 | 2.18 | 2.18 | 17.5 | 2.03 | 2.03 | 18.4 | 2.23 | 2.23 | 16.1 | 2.44 | 2.44 |
| 6 | 12.3 | 2.31 | 2.31 | 11.9 | 2.31 | 2.22 | 16.6 | 2.22 | 2.22 | 15.7 | 2.06 | 2.06 | 17.3 | 2.26 | 2.26 | 15.0 | 2.46 | 2.46 |
| 5 | 10.9 | 2.40 | 2.35 | 10.7 | 2.35 | 2.24 | 15.6 | 2.24 | 2.24 | 13.8 | 2.16 | 2.16 | 16.1 | 2.29 | 2.29 | 13.8 | 2.53 | 2.53 |
| 4 | 9.5 | 2.44 | 2.38 | 9.5 | 2.38 | 2.28 | 14.6 | 2.28 | 2.28 | 12.0 | 2.20 | 2.20 | 15.0 | 2.35 | 2.35 | 12.7 | 2.56 | 2.56 |
| 3 | 8.1 | 2.50 | 2.44 | 8.3 | 2.44 | 2.34 | 13.6 | 2.34 | 2.34 | 10.2 | 2.27 | 2.27 | 13.8 | 2.41 | 2.41 | 11.6 | 2.61 | 2.61 |
| 2 | 6.8 | 2.52 | 2.46 | 7.1 | 2.46 | 2.34 | 12.6 | 2.34 | 2.34 | 8.3 | 2.33 | 2.33 | 12.7 | 2.44 | 2.44 | 10.4 | 2.63 | 2.63 |
| 1 | 5.4 | 2.57 | 2.51 | 5.9 | 2.51 | 2.40 | 11.5 | 2.40 | 2.40 | 6.5 | 2.37 | 2.37 | 11.5 | 2.48 | 2.48 | 9.3 | 2.65 | 2.65 |
| 0 | 4.0 | 2.63 | 2.54 | 4.7 | 2.54 | 2.42 | 10.6 | 2.42 | 2.42 | 4.6 | 2.47 | 2.47 | 10.4 | 2.51 | 2.51 | 8.2 | 2.72 | 2.72 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 1. 75th PERCENTILE

| RAW SCORE | CAT (70 ED.) | | | CTBS (68 ED.) | | | IT9S (71 ED.) | | | STEP-II (69 ED.) | | | SRA (71 ED.) | | | SAT (54 ED.) | | |
|-----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|
| | LEVEL 3 | LEVEL 2 | LEVEL 1C | FORM A | FORM Q | FORM 5 | FORM 5 | FORM 5 | FORM 4 | FORM A | FORM E | FORM E | FORM H | FORM H | FORM H | FORM H | FORM H | |
| | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | TOTAL READING | |
| | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | MAT EQUIV. | |
| | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | ERROR | |
| 156 | | | | | | | 95.3 | .20 | | | | | | | | | 95.3 | .08 |
| 105 | | | | | | | 95.0 | .35 | | | | | | | | | 95.0 | .29 |
| 104 | | | | | | | 94.7 | .47 | | | | | | | | | 94.7 | .45 |
| 103 | | | | | | | 94.4 | .47 | | | | | | | | | 94.4 | .44 |
| 102 | | | | | | | 94.0 | .55 | | | | | | | | | 94.0 | .41 |
| 101 | | | | | | | 93.7 | .44 | | | | | | | | | 93.7 | .30 |
| 100 | | | | | | | 93.4 | .41 | | | | | | | | | 93.4 | .25 |
| 99 | | | | | | | 93.1 | .38 | | | | | | | | | 93.1 | .23 |
| 98 | | | | | | | 92.7 | .37 | | | | | | | | | 92.7 | .25 |
| 97 | | | | | | | 92.4 | .33 | | | | | | | | | 92.4 | .29 |
| 96 | | | | | | | 92.0 | .31 | | | | | | | | | 92.0 | .23 |
| 95 | | | | | | | 91.6 | .31 | | | | | | | | | 91.6 | .29 |
| 94 | | | | | | | 91.2 | .34 | | | | | | | | | 91.2 | .27 |
| 93 | | | | | | | 90.9 | .30 | | | | | | | | | 90.9 | .27 |
| 92 | | | | | | | 90.5 | .30 | | | | | | | | | 90.5 | .30 |
| 91 | | | | | | | 90.1 | .28 | | | | | | | | | 90.1 | .28 |
| 90 | | | | | | | 89.7 | .26 | | | | | | | | | 89.7 | .28 |
| 89 | | | | | | | 89.2 | .26 | | | | | | | | | 89.2 | .24 |
| 88 | | | | | | | 88.8 | .29 | | | | | | | | | 88.8 | .26 |
| 87 | | | | | | | 88.4 | .27 | | | | | | | | | 88.4 | .27 |
| 86 | | | | | | | 87.9 | .27 | | | | | | | | | 87.9 | .27 |
| 85 | | | | | | | 87.5 | .28 | | | | | | | | | 87.5 | .27 |
| 84 | | | | | | | 87.1 | .26 | | | | | | | | | 87.1 | .22 |
| 83 | | | | | | | 86.7 | .24 | | | | | | | | | 86.7 | .24 |
| 82 | | | | | | | 86.2 | .27 | | | | | | | | | 86.2 | .26 |
| 81 | | | | | | | 85.8 | .28 | | | | | | | | | 85.8 | .27 |
| 80 | | | | | | | 85.4 | .23 | | | | | | | | | 85.4 | .22 |
| 79 | | | | | | | 84.9 | .27 | | | | | | | | | 84.9 | .24 |
| 78 | | | | | | | 84.5 | .24 | | | | | | | | | 84.5 | .22 |
| 77 | | | | | | | 84.0 | .27 | | | | | | | | | 84.0 | .26 |
| 76 | | | | | | | 83.5 | .31 | | | | | | | | | 83.5 | .23 |
| 75 | | | | | | | 83.0 | .34 | | | | | | | | | 83.0 | .24 |
| 74 | | | | | | | 82.5 | .32 | | | | | | | | | 82.5 | .22 |
| 73 | | | | | | | 82.0 | .36 | | | | | | | | | 82.0 | .23 |
| 72 | | | | | | | 81.4 | .39 | | | | | | | | | 81.4 | .25 |
| 71 | | | | | | | 80.8 | .41 | | | | | | | | | 80.8 | .28 |
| 70 | | | | | | | 80.2 | .41 | | | | | | | | | 80.2 | .26 |
| 69 | | | | | | | 79.5 | .46 | | | | | | | | | 79.5 | .24 |
| 68 | | | | | | | 78.9 | .46 | | | | | | | | | 78.9 | .24 |
| 67 | | | | | | | 78.3 | .49 | | | | | | | | | 78.3 | .24 |
| 66 | | | | | | | 77.6 | .51 | | | | | | | | | 77.6 | .21 |



ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 1, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | | CTBS (68 ED.) LEVEL 2 FORM Q | | | ITBS (71 ED.) LEVEL 1C FORM S | | | STEP-II (69 ED.) LEVEL 4 FORM A | | | SRA (71 ED.) BLUE FORM E | | | SAT (64 ED.) INTERMEDIATE 1 FORM W | | |
|-----------|-----------------------------------|------------|-------|------------------------------------|------------|-------|-------------------------------------|------------|-------|---------------------------------------|------------|-------|--------------------------------|------------|-------|--|------------|-------|
| | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
| 55 | 87.1 | .19 | .29 | 82.7 | .46 | .77.0 | .46 | .77.0 | .46 | .95.2 | .34 | .95.2 | .34 | .95.2 | .34 | .95.2 | .34 | .95.2 |
| 64 | 86.6 | .18 | .34 | 81.5 | .43 | 76.4 | .43 | 76.4 | .43 | 94.6 | .36 | 94.6 | .36 | 94.6 | .36 | 94.6 | .36 | 94.6 |
| 63 | 86.1 | .19 | .37 | 80.6 | .41 | 75.8 | .41 | 75.8 | .41 | 93.9 | .28 | 93.9 | .28 | 93.9 | .28 | 93.9 | .28 | 93.9 |
| 62 | 85.5 | .21 | .39 | 75.8 | .39 | 75.1 | .39 | 75.1 | .39 | 92.7 | .26 | 92.7 | .26 | 92.7 | .26 | 92.7 | .26 | 92.7 |
| 61 | 84.9 | .21 | .41 | 73.9 | .41 | 74.4 | .36 | 74.4 | .36 | 92.0 | .21 | 92.0 | .21 | 92.0 | .21 | 92.0 | .21 | 92.0 |
| 60 | 84.3 | .22 | .33 | 78.1 | .33 | 73.7 | .36 | 73.7 | .36 | 91.2 | .20 | 91.2 | .20 | 91.2 | .20 | 91.2 | .20 | 91.2 |
| 59 | 83.7 | .24 | .32 | 77.2 | .32 | 72.9 | .37 | 72.9 | .37 | 90.5 | .19 | 90.5 | .19 | 90.5 | .19 | 90.5 | .19 | 90.5 |
| 58 | 83.0 | .27 | .36 | 76.2 | .36 | 72.2 | .37 | 72.2 | .37 | 89.8 | .16 | 89.8 | .16 | 89.8 | .16 | 89.8 | .16 | 89.8 |
| 57 | 82.3 | .30 | .39 | 75.2 | .39 | 71.5 | .37 | 71.5 | .37 | 89.1 | .15 | 89.1 | .15 | 89.1 | .15 | 89.1 | .15 | 89.1 |
| 56 | 81.5 | .36 | .45 | 74.2 | .45 | 70.8 | .42 | 70.8 | .42 | 88.4 | .18 | 88.4 | .18 | 88.4 | .18 | 88.4 | .18 | 88.4 |
| 55 | 80.6 | .36 | .46 | 73.2 | .46 | 70.1 | .47 | 70.1 | .47 | 87.6 | .17 | 87.6 | .17 | 87.6 | .17 | 87.6 | .17 | 87.6 |
| 54 | 79.7 | .38 | .46 | 72.2 | .46 | 69.5 | .50 | 69.5 | .50 | 86.9 | .17 | 86.9 | .17 | 86.9 | .17 | 86.9 | .17 | 86.9 |
| 53 | 78.8 | .35 | .44 | 71.2 | .44 | 68.7 | .53 | 68.7 | .53 | 86.1 | .15 | 86.1 | .15 | 86.1 | .15 | 86.1 | .15 | 86.1 |
| 52 | 77.9 | .33 | .43 | 70.3 | .43 | 68.0 | .55 | 68.0 | .55 | 85.3 | .15 | 85.3 | .15 | 85.3 | .15 | 85.3 | .15 | 85.3 |
| 51 | 76.9 | .27 | .42 | 69.5 | .42 | 67.2 | .54 | 67.2 | .54 | 84.6 | .18 | 84.6 | .18 | 84.6 | .18 | 84.6 | .18 | 84.6 |
| 50 | 75.9 | .24 | .39 | 68.3 | .39 | 66.4 | .57 | 66.4 | .57 | 83.9 | .18 | 83.9 | .18 | 83.9 | .18 | 83.9 | .18 | 83.9 |
| 49 | 74.9 | .24 | .38 | 67.3 | .38 | 65.6 | .61 | 65.6 | .61 | 83.4 | .18 | 83.4 | .18 | 83.4 | .18 | 83.4 | .18 | 83.4 |
| 48 | 73.8 | .22 | .41 | 66.2 | .41 | 64.7 | .61 | 64.7 | .61 | 82.8 | .14 | 82.8 | .14 | 82.8 | .14 | 82.8 | .14 | 82.8 |
| 47 | 72.6 | .26 | .43 | 65.2 | .43 | 63.8 | .58 | 63.8 | .58 | 82.8 | .14 | 82.8 | .14 | 82.8 | .14 | 82.8 | .14 | 82.8 |
| 46 | 71.5 | .27 | .38 | 63.7 | .38 | 62.9 | .60 | 62.9 | .60 | 81.9 | .18 | 81.9 | .18 | 81.9 | .18 | 81.9 | .18 | 81.9 |
| 45 | 70.3 | .27 | .45 | 62.5 | .45 | 62.0 | .57 | 62.0 | .57 | 80.9 | .22 | 80.9 | .22 | 80.9 | .22 | 80.9 | .22 | 80.9 |
| 44 | 69.1 | .34 | .49 | 61.3 | .49 | 61.1 | .58 | 61.1 | .58 | 79.9 | .27 | 79.9 | .27 | 79.9 | .27 | 79.9 | .27 | 79.9 |
| 43 | 67.8 | .39 | .50 | 60.1 | .50 | 60.2 | .55 | 60.2 | .55 | 78.8 | .33 | 78.8 | .33 | 78.8 | .33 | 78.8 | .33 | 78.8 |
| 42 | 66.6 | .41 | .52 | 58.9 | .52 | 59.1 | .51 | 59.1 | .51 | 77.7 | .40 | 77.7 | .40 | 77.7 | .40 | 77.7 | .40 | 77.7 |
| 41 | 5.2 | .45 | .57 | 57.8 | .57 | 58.1 | .52 | 58.1 | .52 | 76.4 | .44 | 76.4 | .44 | 76.4 | .44 | 76.4 | .44 | 76.4 |
| 40 | 63.8 | .45 | .63 | 56.6 | .63 | 57.0 | .54 | 57.0 | .54 | 75.1 | .47 | 75.1 | .47 | 75.1 | .47 | 75.1 | .47 | 75.1 |
| 39 | 62.3 | .48 | .67 | 55.3 | .67 | 55.8 | .60 | 55.8 | .60 | 73.7 | .51 | 73.7 | .51 | 73.7 | .51 | 73.7 | .51 | 73.7 |
| 38 | 60.8 | .52 | .77 | 54.1 | .77 | 54.3 | .68 | 54.3 | .68 | 72.2 | .58 | 72.2 | .58 | 72.2 | .58 | 72.2 | .58 | 72.2 |
| 37 | 59.2 | .63 | .87 | 52.8 | .87 | 52.8 | .79 | 52.8 | .79 | 70.7 | .66 | 70.7 | .66 | 70.7 | .66 | 70.7 | .66 | 70.7 |
| 36 | 57.4 | .78 | .87 | 51.4 | .87 | 51.2 | .90 | 51.2 | .90 | 69.0 | .75 | 69.0 | .75 | 69.0 | .75 | 69.0 | .75 | 69.0 |
| 35 | 55.7 | .95 | .89 | 49.8 | .89 | 49.4 | 1.08 | 49.4 | 1.08 | 67.1 | .82 | 67.1 | .82 | 67.1 | .82 | 67.1 | .82 | 67.1 |
| 34 | 54.0 | 1.04 | .95 | 48.2 | .95 | 47.5 | 1.27 | 47.5 | 1.27 | 64.9 | .90 | 64.9 | .90 | 64.9 | .90 | 64.9 | .90 | 64.9 |
| 33 | 52.3 | 1.17 | .94 | 46.4 | .94 | 45.5 | 1.42 | 45.5 | 1.42 | 62.8 | .97 | 62.8 | .97 | 62.8 | .97 | 62.8 | .97 | 62.8 |
| 32 | 50.1 | 1.33 | .83 | 44.6 | .83 | 43.3 | 1.53 | 43.3 | 1.53 | 60.7 | 1.01 | 60.7 | 1.01 | 60.7 | 1.01 | 60.7 | 1.01 | 60.7 |
| 31 | 47.9 | 1.49 | .74 | 42.8 | .74 | 41.1 | 1.59 | 41.1 | 1.59 | 58.6 | 1.01 | 58.6 | 1.01 | 58.6 | 1.01 | 58.6 | 1.01 | 58.6 |
| 30 | 45.6 | 1.67 | .72 | 40.9 | .72 | 38.8 | 1.59 | 38.8 | 1.59 | 56.4 | 1.01 | 56.4 | 1.01 | 56.4 | 1.01 | 56.4 | 1.01 | 56.4 |
| 29 | 43.4 | 1.72 | .82 | 39.1 | .82 | 35.6 | .58 | 35.6 | .58 | 54.0 | 1.01 | 54.0 | 1.01 | 54.0 | 1.01 | 54.0 | 1.01 | 54.0 |
| 28 | 41.1 | 1.81 | .97 | 37.3 | .97 | 34.4 | 1.62 | 34.4 | 1.62 | 51.9 | 1.01 | 51.9 | 1.01 | 51.9 | 1.01 | 51.9 | 1.01 | 51.9 |
| 27 | 39.1 | 1.76 | 1.13 | 35.5 | 1.13 | 32.3 | 1.65 | 32.3 | 1.65 | 49.8 | 1.01 | 49.8 | 1.01 | 49.8 | 1.01 | 49.8 | 1.01 | 49.8 |
| 26 | 37.1 | 1.79 | 1.17 | 33.9 | 1.17 | 30.2 | 1.68 | 30.2 | 1.68 | 47.7 | 1.01 | 47.7 | 1.01 | 47.7 | 1.01 | 47.7 | 1.01 | 47.7 |
| 25 | 35.1 | 1.79 | 1.24 | 32.3 | 1.24 | 28.4 | 1.60 | 28.4 | 1.60 | 45.6 | 1.01 | 45.6 | 1.01 | 45.6 | 1.01 | 45.6 | 1.01 | 45.6 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 1, EQUIPERCENTILE

| RAM SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CIBS (68 ED.) LEVEL 2 FORM Q | | IIBS (71 ED.) LEVEL 3 FORM S | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|-------|------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR |
| 24 | 33.2 | 1.77 | 30.7 | 1.30 | 26.7 | 1.55 | 51.5 | .85 | 33.9 | 1.40 | 30.2 | 1.82 |
| 23 | 31.3 | 1.70 | 29.0 | 1.27 | 24.9 | 1.57 | 48.3 | .95 | 31.7 | 1.44 | 29.7 | 1.79 |
| 22 | 29.5 | 1.62 | 27.4 | 1.21 | 23.3 | 1.58 | 45.0 | 1.11 | 27.7 | 1.44 | 27.1 | 1.92 |
| 21 | 27.9 | 1.56 | 25.7 | 1.23 | 21.9 | 1.71 | 4.6 | 1.24 | 27.9 | 1.50 | 25.6 | 1.98 |
| 20 | 26.2 | 1.58 | 24.1 | 1.26 | 20.5 | 1.64 | 38.8 | 1.26 | 26.1 | 1.58 | 24.1 | 1.97 |
| 19 | 24.6 | 1.56 | 22.4 | 1.36 | 19.1 | 1.51 | 36.0 | 1.34 | 24.3 | 1.72 | 22.6 | 2.01 |
| 18 | 22.9 | 1.64 | 20.9 | 1.37 | 18.0 | 1.51 | 33.5 | 1.38 | 22.7 | 1.84 | 21.2 | 2.02 |
| 17 | 21.2 | 1.65 | 19.5 | 1.23 | 16.8 | 1.64 | 31.2 | 1.33 | 21.4 | 1.90 | 19.9 | 1.87 |
| 16 | 19.7 | 1.45 | 18.3 | 1.09 | 16.1 | 1.65 | 28.8 | 1.37 | 20.2 | 1.86 | 18.8 | 1.59 |
| 15 | 18.3 | 1.28 | 17.1 | 1.08 | 15.4 | 1.67 | 26.6 | 1.43 | 19.1 | 1.66 | 18.0 | 1.53 |
| 14 | 17.0 | 1.05 | 15.9 | 1.14 | 14.7 | 1.73 | 24.3 | 1.59 | 17.9 | 1.50 | 17.2 | 1.51 |
| 13 | 15.2 | 1.09 | 14.7 | 1.26 | 14.0 | 1.76 | 22.2 | 1.74 | 16.7 | 1.37 | 16.3 | 1.52 |
| 12 | 14.0 | .95 | 13.9 | 1.41 | 13.3 | 1.77 | 20.6 | 1.65 | 15.6 | 1.32 | 15.5 | 1.57 |
| 11 | 13.2 | 1.06 | 13.2 | 1.72 | 12.6 | 1.82 | 19.2 | 1.46 | 14.5 | 1.41 | 14.6 | 1.61 |
| 10 | 12.4 | 1.46 | 12.5 | 2.04 | 11.9 | 1.90 | 17.8 | 1.20 | 13.8 | 1.31 | 13.8 | 1.67 |
| 9 | 11.6 | 1.97 | 11.8 | 2.38 | 11.1 | 1.95 | 16.3 | 1.08 | 13.1 | 1.22 | 13.0 | 1.77 |
| 8 | 10.9 | 2.57 | 11.1 | 2.80 | 10.4 | 2.12 | 14.5 | 1.07 | 12.4 | 1.12 | 12.3 | 1.71 |
| 7 | 10.1 | 3.13 | 10.4 | 3.18 | 9.7 | 2.32 | 13.3 | .87 | 11.7 | 1.06 | 11.5 | 1.74 |
| 6 | 9.3 | 3.76 | 9.7 | 3.61 | 9.0 | 2.55 | 12.0 | .80 | 11.0 | 1.04 | 10.7 | 1.76 |
| 5 | 8.5 | 4.32 | 9.0 | 4.02 | 8.3 | 2.80 | 10.8 | .76 | 10.3 | 1.03 | 10.0 | 1.85 |
| 4 | 7.7 | 4.90 | 9.3 | 4.31 | 7.6 | 3.11 | 9.6 | .86 | 9.6 | 1.07 | 9.2 | 1.91 |
| 3 | 6.9 | 4.90 | 7.6 | 4.39 | 6.9 | 3.39 | 8.3 | .79 | 8.9 | 1.15 | 8.4 | 1.98 |
| 2 | 6.1 | 4.46 | 6.9 | 4.52 | 6.1 | 3.57 | 7.1 | 1.15 | 8.2 | 1.25 | 7.7 | 2.11 |
| 1 | 5.1 | 3.94 | 6.1 | 4.35 | 5.4 | 3.86 | 5.9 | 1.42 | 7.5 | 1.39 | 6.9 | 2.19 |
| 0 | 4.5 | 3.46 | 5.4 | 3.98 | 4.7 | 3.92 | 4.7 | 1.66 | 6.8 | 1.51 | 6.1 | 2.28 |

TABLE 2095. ANCHOR TEST EQUATING STUDY: GRADE 4

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 7, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM 1 A | | | CTBS (68 ED.) LEVEL 2 FORM Q | | | ITBS (71 ED.) LEVEL 4 FORM 5 | | | STEP-II (69 ED.) LEVEL 4 FORM A | | | SRA (71 ED.) ALUE FORM E | | | SAT (64 ED.) INTERMEDIATE I FORM M | | |
|-----------|-------------------------------------|------------|-------|------------------------------------|------------|-------|------------------------------------|------------|-------|---------------------------------------|------------|-------|--------------------------------|------------|-------|--|------------|-------|
| | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
| | | | | | | | | | | | | | | | | | | |
| 65 | 92.7 | .41 | .30 | 93.2 | .46 | .46 | 75.2 | .46 | .46 | 114.0 | .79 | 85.1 | .48 | .48 | 48.0 | .49 | .49 | |
| 64 | 91.3 | .40 | .23 | 92.0 | .46 | .46 | 74.3 | .46 | .46 | 112.2 | .76 | 84.0 | .50 | .50 | 47.8 | .49 | .49 | |
| 63 | 89.9 | .40 | .27 | 90.6 | .45 | .45 | 73.3 | .45 | .45 | 110.4 | .74 | 82.8 | .47 | .47 | 46.7 | .48 | .48 | |
| 62 | 88.6 | .38 | .27 | 79.6 | .45 | .45 | 72.3 | .45 | .45 | 109.5 | .66 | 81.6 | .48 | .48 | 45.5 | .49 | .49 | |
| 61 | 87.2 | .36 | .25 | 78.2 | .49 | .49 | 71.3 | .49 | .49 | 108.7 | .63 | 80.5 | .47 | .47 | 44.4 | .50 | .50 | |
| 60 | 85.9 | .35 | .28 | 77.2 | .50 | .50 | 70.3 | .50 | .50 | 106.9 | .62 | 79.3 | .46 | .46 | 43.3 | .51 | .51 | |
| 59 | 84.5 | .36 | .24 | 77.9 | .52 | .52 | 69.3 | .52 | .52 | 104.9 | .58 | 78.2 | .45 | .45 | 42.2 | .52 | .52 | |
| 58 | 83.1 | .36 | .24 | 74.7 | .52 | .52 | 68.3 | .52 | .52 | 103.1 | .55 | 77.0 | .45 | .45 | 41.1 | .53 | .53 | |
| 57 | 81.7 | .34 | .24 | 73.5 | .51 | .51 | 67.3 | .51 | .51 | 101.3 | .50 | 75.9 | .46 | .46 | 40.1 | .54 | .54 | |
| 56 | 80.4 | .35 | .26 | 72.3 | .52 | .52 | 66.3 | .52 | .52 | 99.5 | .50 | 74.7 | .46 | .46 | 39.1 | .55 | .55 | |
| 55 | 79.0 | .34 | .27 | 71.1 | .55 | .55 | 65.3 | .55 | .55 | 97.7 | .50 | 73.5 | .46 | .46 | 38.1 | .56 | .56 | |
| 54 | 77.6 | .35 | .29 | 69.9 | .55 | .55 | 64.3 | .55 | .55 | 95.8 | .44 | 72.4 | .48 | .48 | 37.1 | .57 | .57 | |
| 53 | 76.3 | .36 | .31 | 68.7 | .59 | .59 | 63.3 | .59 | .59 | 94.0 | .42 | 71.2 | .47 | .47 | 36.1 | .58 | .58 | |
| 52 | 74.9 | .37 | .36 | 67.5 | .59 | .59 | 62.3 | .59 | .59 | 92.2 | .37 | 70.1 | .50 | .50 | 35.1 | .59 | .59 | |
| 51 | 73.5 | .38 | .36 | 66.3 | .62 | .62 | 61.3 | .62 | .62 | 90.4 | .35 | 68.9 | .49 | .49 | 34.1 | .60 | .60 | |
| 50 | 72.2 | .38 | .35 | 65.0 | .64 | .64 | 60.3 | .64 | .64 | 88.6 | .35 | 67.7 | .51 | .51 | 33.1 | .61 | .61 | |
| 49 | 70.8 | .41 | .39 | 63.8 | .65 | .65 | 59.3 | .65 | .65 | 86.6 | .34 | 66.6 | .53 | .53 | 32.1 | .62 | .62 | |
| 48 | 69.4 | .42 | .43 | 62.6 | .70 | .70 | 58.4 | .70 | .70 | 84.6 | .33 | 65.6 | .55 | .55 | 31.1 | .63 | .63 | |
| 47 | 68.1 | .42 | .43 | 61.4 | .71 | .71 | 57.4 | .71 | .71 | 82.6 | .32 | 64.3 | .56 | .56 | 30.1 | .64 | .64 | |
| 46 | 66.7 | .46 | .46 | 60.2 | .71 | .71 | 56.4 | .71 | .71 | 80.6 | .32 | 63.1 | .57 | .57 | 29.1 | .65 | .65 | |
| 45 | 65.3 | .47 | .49 | 59.0 | .77 | .77 | 55.4 | .77 | .77 | 78.6 | .31 | 61.9 | .50 | .50 | 28.1 | .66 | .66 | |
| 44 | 63.9 | .50 | .52 | 57.8 | .77 | .77 | 54.4 | .77 | .77 | 76.6 | .30 | 60.8 | .53 | .53 | 27.1 | .67 | .67 | |
| 43 | 62.6 | .51 | .55 | 56.6 | .80 | .80 | 53.4 | .80 | .80 | 74.6 | .29 | 59.6 | .53 | .53 | 26.1 | .68 | .68 | |
| 42 | 61.3 | .54 | .58 | 55.3 | .83 | .83 | 52.4 | .83 | .83 | 72.3 | .28 | 58.5 | .56 | .56 | 25.1 | .69 | .69 | |
| 41 | 59.9 | .57 | .59 | 54.1 | .85 | .85 | 51.4 | .85 | .85 | 70.4 | .27 | 57.3 | .56 | .56 | 24.1 | .70 | .70 | |
| 40 | 58.5 | .58 | .62 | 52.9 | .86 | .86 | 50.4 | .86 | .86 | 68.6 | .25 | 56.2 | .57 | .57 | 23.1 | .71 | .71 | |
| 39 | 57.2 | .61 | .63 | 51.7 | .89 | .89 | 49.4 | .89 | .89 | 66.8 | .25 | 55.0 | .57 | .57 | 22.1 | .72 | .72 | |
| 38 | 55.9 | .63 | .68 | 50.5 | .91 | .91 | 48.4 | .91 | .91 | 65.0 | .25 | 53.8 | .57 | .57 | 21.1 | .73 | .73 | |
| 37 | 54.4 | .64 | .72 | 49.3 | .97 | .97 | 47.4 | .97 | .97 | 63.2 | .26 | 52.7 | .57 | .57 | 20.1 | .74 | .74 | |
| 36 | 53.1 | .66 | .74 | 48.1 | .97 | .97 | 46.4 | .97 | .97 | 61.4 | .26 | 51.5 | .57 | .57 | 19.1 | .75 | .75 | |
| 35 | 51.7 | .68 | .76 | 46.9 | .99 | .99 | 45.4 | .99 | .99 | 59.5 | .25 | 50.4 | .57 | .57 | 18.1 | .76 | .76 | |
| 34 | 50.3 | .72 | .79 | 45.6 | 1.00 | 1.00 | 44.4 | 1.00 | 1.00 | 57.7 | .25 | 49.2 | .58 | .58 | 17.1 | .77 | .77 | |
| 33 | 49.0 | .76 | .82 | 44.4 | 1.04 | 1.04 | 43.4 | 1.04 | 1.04 | 55.9 | .25 | 48.0 | .58 | .58 | 16.1 | .78 | .78 | |
| 32 | 47.6 | .76 | .84 | 43.2 | 1.08 | 1.08 | 42.5 | 1.08 | 1.08 | 54.1 | .25 | 46.9 | .58 | .58 | 15.1 | .79 | .79 | |
| 31 | 46.2 | .80 | .86 | 42.0 | 1.12 | 1.12 | 41.5 | 1.12 | 1.12 | 52.3 | .26 | 45.7 | .58 | .58 | 14.1 | .80 | .80 | |
| 30 | 44.9 | .81 | .91 | 40.8 | 1.12 | 1.12 | 40.5 | 1.12 | 1.12 | 50.5 | .26 | 44.6 | .58 | .58 | 13.1 | .81 | .81 | |
| 29 | 43.5 | .85 | .95 | 39.6 | 1.17 | 1.17 | 39.5 | 1.17 | 1.17 | 48.6 | .25 | 43.5 | .58 | .58 | 12.1 | .82 | .82 | |
| 28 | 42.1 | .87 | .96 | 38.4 | 1.19 | 1.19 | 38.5 | 1.19 | 1.19 | 46.8 | .25 | 42.4 | .58 | .58 | 11.1 | .83 | .83 | |
| 27 | 40.8 | .88 | 1.00 | 37.2 | 1.20 | 1.20 | 37.5 | 1.20 | 1.20 | 45.0 | .25 | 41.3 | .58 | .58 | 10.1 | .84 | .84 | |
| 26 | 39.4 | .93 | 1.02 | 36.0 | 1.25 | 1.25 | 36.5 | 1.25 | 1.25 | 43.2 | .25 | 40.2 | .58 | .58 | 9.1 | .85 | .85 | |
| 25 | 38.0 | .94 | 1.06 | 34.7 | 1.29 | 1.29 | 35.5 | 1.29 | 1.29 | 41.4 | .25 | 39.1 | .58 | .58 | 8.1 | .86 | .86 | |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY - FORM F, TOTAL READING TEST

PROCEDURE 3, LINEAR

| PAA SCORE | CAT (70 ED.) LEVEL 3 FORM A | | | ITBS (71 ED.) LEVEL 10 FORM 5 | | | STEP-II (69 ED.) LEVEL 4 FORM A | | | SRA (71 ED.) BLUE FORM E | | | SAT (64 ED.) INTERMEDIATE 1 FORM M | | |
|-----------|-----------------------------|------------|-------|-------------------------------|------------|-------|---------------------------------|------------|-------|--------------------------|------------|-------|------------------------------------|------------|-------|
| | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
| 24 | 36.7 | 1.07 | 1.07 | 34.5 | 1.29 | 1.29 | 48.7 | .58 | .58 | 37.6 | 1.05 | 1.05 | 35.5 | 1.14 | 1.14 |
| 23 | 35.3 | 1.01 | 1.12 | 33.5 | 1.33 | 1.33 | 46.8 | .59 | .59 | 36.5 | 1.07 | 1.07 | 34.4 | 1.13 | 1.13 |
| 22 | 33.9 | 1.02 | 1.15 | 32.5 | 1.36 | 1.36 | 45.0 | .63 | .63 | 35.3 | 1.10 | 1.10 | 33.2 | 1.21 | 1.21 |
| 21 | 32.6 | 1.05 | 1.16 | 31.5 | 1.38 | 1.38 | 43.2 | .65 | .65 | 34.1 | 1.13 | 1.13 | 32.1 | 1.25 | 1.25 |
| 20 | 31.2 | 1.07 | 1.19 | 30.5 | 1.41 | 1.41 | 41.4 | .71 | .71 | 33.0 | 1.17 | 1.17 | 29.8 | 1.27 | 1.27 |
| 19 | 29.8 | 1.09 | 1.24 | 29.5 | 1.43 | 1.43 | 39.6 | .71 | .71 | 31.8 | 1.17 | 1.17 | 28.5 | 1.29 | 1.29 |
| 18 | 28.5 | 1.14 | 1.28 | 28.5 | 1.43 | 1.43 | 37.8 | .75 | .75 | 30.7 | 1.20 | 1.20 | 27.4 | 1.34 | 1.34 |
| 17 | 27.1 | 1.14 | 1.28 | 27.5 | 1.49 | 1.49 | 36.0 | .79 | .79 | 29.5 | 1.23 | 1.23 | 26.3 | 1.38 | 1.38 |
| 16 | 25.8 | 1.18 | 1.32 | 26.6 | 1.51 | 1.51 | 34.1 | .84 | .84 | 28.3 | 1.26 | 1.26 | 25.1 | 1.41 | 1.41 |
| 15 | 24.4 | 1.22 | 1.35 | 25.6 | 1.56 | 1.56 | 32.3 | .86 | .86 | 27.2 | 1.30 | 1.30 | 24.0 | 1.44 | 1.44 |
| 14 | 23.0 | 1.23 | 1.38 | 24.6 | 1.59 | 1.59 | 30.5 | .89 | .89 | 26.0 | 1.32 | 1.32 | 22.8 | 1.50 | 1.50 |
| 13 | 21.7 | 1.26 | 1.40 | 23.6 | 1.60 | 1.60 | 28.7 | .93 | .93 | 24.9 | 1.34 | 1.34 | 21.7 | 1.53 | 1.53 |
| 12 | 20.3 | 1.28 | 1.41 | 22.6 | 1.64 | 1.64 | 26.9 | .95 | .95 | 23.7 | 1.37 | 1.37 | 20.5 | 1.58 | 1.58 |
| 11 | 18.9 | 1.31 | 1.48 | 21.6 | 1.65 | 1.65 | 25.1 | 1.03 | 1.03 | 22.6 | 1.40 | 1.40 | 19.3 | 1.61 | 1.61 |
| 10 | 17.6 | 1.35 | 1.48 | 20.6 | 1.67 | 1.67 | 23.3 | 1.06 | 1.06 | 21.4 | 1.44 | 1.44 | 18.2 | 1.65 | 1.65 |
| 9 | 16.3 | 1.36 | 1.53 | 19.6 | 1.72 | 1.72 | 21.4 | 1.10 | 1.10 | 20.2 | 1.46 | 1.46 | 17.0 | 1.68 | 1.68 |
| 8 | 14.8 | 1.40 | 1.55 | 18.6 | 1.75 | 1.75 | 19.6 | 1.15 | 1.15 | 19.1 | 1.48 | 1.48 | 15.9 | 1.70 | 1.70 |
| 7 | 13.5 | 1.44 | 1.59 | 17.6 | 1.78 | 1.78 | 17.8 | 1.18 | 1.18 | 17.9 | 1.52 | 1.52 | 14.7 | 1.75 | 1.75 |
| 6 | 12.1 | 1.44 | 1.62 | 16.6 | 1.80 | 1.80 | 16.0 | 1.20 | 1.20 | 16.8 | 1.52 | 1.52 | 13.6 | 1.80 | 1.80 |
| 5 | 10.7 | 1.49 | 1.64 | 15.6 | 1.84 | 1.84 | 14.2 | 1.24 | 1.24 | 15.6 | 1.56 | 1.56 | 12.4 | 1.85 | 1.85 |
| 4 | 9.4 | 1.52 | 1.67 | 14.6 | 1.86 | 1.86 | 12.4 | 1.28 | 1.28 | 14.4 | 1.58 | 1.58 | 11.2 | 1.90 | 1.90 |
| 3 | 8.0 | 1.55 | 1.70 | 13.6 | 1.88 | 1.88 | 10.6 | 1.31 | 1.31 | 13.3 | 1.59 | 1.59 | 10.1 | 1.95 | 1.95 |
| 2 | 6.6 | 1.59 | 1.74 | 12.6 | 1.93 | 1.93 | 8.7 | 1.35 | 1.35 | 12.1 | 1.63 | 1.63 | 8.9 | 1.97 | 1.97 |
| 1 | 5.3 | 1.59 | 1.74 | 11.7 | 1.95 | 1.95 | 6.9 | 1.35 | 1.35 | 11.0 | 1.64 | 1.64 | 8.9 | 1.97 | 1.97 |
| 0 | 3.9 | 1.53 | 1.80 | 10.7 | 1.95 | 1.95 | 5.1 | 1.38 | 1.38 | 9.8 | 1.68 | 1.68 | 7.8 | 2.00 | 2.00 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 2, EQUIPERCENTILE

| RAM SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 1C FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|------------------|------------------------------------|------------------|-------------------------------------|------------------|---------------------------------------|------------------|--------------------------------|------------------|--|------------------|
| | TOTAL READING | MAT EQUIV. ERROR | TOTAL READING | MAT EQUIV. ERROR | TOTAL READING | MAT EQUIV. ERROR | TOTAL READING | MAT EQUIV. ERROR | TOTAL READING | MAT EQUIV. ERROR | TOTAL READING | MAT EQUIV. ERROR |
| 106 | | | | | 95.4 | .00 | | | | | 95.4 | .05 |
| 105 | | | | | 95.4 | .00 | | | | | 95.1 | .22 |
| 104 | | | | | 95.4 | .00 | | | | | 94.8 | .40 |
| 103 | | | | | 95.4 | .05 | | | | | 94.5 | .50 |
| 102 | | | | | 95.3 | .21 | | | | | 94.2 | .59 |
| 101 | | | | | 94.8 | .22 | | | | | 93.9 | .59 |
| 100 | | | | | 94.3 | .23 | | | | | 93.6 | .46 |
| 99 | | | | | 93.8 | .22 | | | | | 93.3 | .33 |
| 98 | | | | | 93.3 | .24 | | | | | 93.0 | .26 |
| 97 | | | | | 92.8 | .25 | | | | | 92.7 | .25 |
| 96 | | | | | 92.4 | .24 | | | | | 92.3 | .27 |
| 95 | | | | | 92.0 | .27 | | | | | 91.9 | .30 |
| 94 | | | | | 91.5 | .24 | | | | | 91.5 | .28 |
| 93 | | | | | 91.1 | .27 | | | | | 91.0 | .24 |
| 92 | | | | | 90.5 | .25 | | | | | 90.6 | .26 |
| 91 | | | | | 90.1 | .26 | | | | | 90.2 | .26 |
| 90 | | | | | 89.6 | .32 | | | | | 89.7 | .28 |
| 89 | | | | | 89.2 | .34 | | | | | 89.3 | .29 |
| 88 | | | | | 88.8 | .39 | | | | | 88.9 | .29 |
| 87 | | | | | 88.3 | .35 | | | | | 88.5 | .25 |
| 86 | | | | | 87.9 | .34 | | | | | 88.1 | .19 |
| 85 | | | | | 87.5 | .32 | | | | | 87.7 | .20 |
| 84 | | | | | 87.1 | .29 | | | | | 87.5 | .16 |
| 83 | | | | | 86.6 | .26 | | | | | 86.5 | .13 |
| 82 | | | | | 85.2 | .23 | | | | | 86.1 | .13 |
| 81 | | | | | 85.8 | .24 | | | | | 85.7 | .15 |
| 80 | | | | | 85.4 | .24 | | | | | 85.3 | .15 |
| 79 | | | | | 84.9 | .21 | | | | | 84.8 | .18 |
| 78 | | | | | 84.4 | .21 | | | | | 84.4 | .22 |
| 77 | | | | | 84.0 | .20 | | | | | 84.0 | .21 |
| 76 | | | | | 83.5 | .24 | | | | | 83.5 | .21 |
| 75 | | | | | 83.0 | .25 | | | | | 83.0 | .21 |
| 74 | | | | | 82.6 | .22 | | | | | 82.6 | .22 |
| 73 | | | | | 81.9 | .23 | | | | | 81.9 | .23 |
| 72 | | | | | 81.4 | .25 | | | | | 81.4 | .25 |
| 71 | | | | | 80.8 | .22 | | | | | 80.8 | .22 |
| 70 | | | | | 80.2 | .21 | | | | | 80.2 | .21 |
| 69 | | | | | 79.6 | .25 | | | | | 79.6 | .25 |
| 68 | | | | | 79.1 | .30 | | | | | 79.1 | .30 |
| 67 | | | | | 78.4 | .29 | | | | | 78.4 | .29 |
| 66 | | | | | 77.7 | .33 | | | | | 77.7 | .33 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (7C ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 2, FQI/PERCENTILE

| RAJ. SCORE | CAT (70 ED.) LEVEL 3 FORM A | | | CTRS (68 ED.) LEVEL 2 FORM 2 | | | ITBS (71 10.) LEVEL 10 FORM 5 | | | STEP-11 (69 ED.) LEVEL 4 FORM A | | | SRA (71 ED.) BLUE FORM E | | | SAT (64 ED.) INTERMEDIATE 1 FORM W | | |
|------------|-----------------------------------|------------|-------|------------------------------------|------------|-------|-------------------------------------|------------|-------|---------------------------------------|------------|-------|--------------------------------|------------|-------|--|------------|-------|
| | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
| 65 | 86.6 | 82.3 | .25 | 77.0 | 77.0 | .34 | 95.2 | 95.2 | .04 | 82.5 | 82.5 | .29 | 82.3 | 82.3 | .33 | 82.3 | 82.3 | .33 |
| 64 | 85.1 | 81.5 | .26 | 76.4 | 76.4 | .38 | 94.5 | 94.5 | .09 | 82.0 | 82.0 | .33 | 81.8 | 81.8 | .35 | 81.8 | 81.8 | .35 |
| 63 | 85.6 | 80.6 | .27 | 75.7 | 75.7 | .42 | 93.9 | 93.9 | .11 | 81.4 | 81.4 | .33 | 81.2 | 81.2 | .38 | 81.2 | 81.2 | .38 |
| 62 | 85.0 | 79.0 | .28 | 75.1 | 75.1 | .49 | 93.2 | 93.2 | .16 | 80.9 | 80.9 | .35 | 80.6 | 80.6 | .40 | 80.6 | 80.6 | .40 |
| 61 | 84.5 | 79.0 | .34 | 74.4 | 74.4 | .53 | 92.6 | 92.6 | .21 | 80.4 | 80.4 | .32 | 79.9 | 79.9 | .40 | 79.9 | 79.9 | .40 |
| 60 | 83.9 | 78.1 | .36 | 73.8 | 73.8 | .57 | 91.9 | 91.9 | .22 | 79.3 | 79.3 | .33 | 79.2 | 79.2 | .41 | 79.2 | 79.2 | .41 |
| 59 | 83.3 | 77.1 | .42 | 73.2 | 73.2 | .60 | 91.1 | 91.1 | .22 | 78.3 | 78.3 | .31 | 78.5 | 78.5 | .42 | 78.5 | 78.5 | .42 |
| 58 | 82.6 | 76.2 | .48 | 72.5 | 72.5 | .65 | 90.3 | 90.3 | .34 | 78.7 | 78.7 | .30 | 77.7 | 77.7 | .45 | 77.7 | 77.7 | .45 |
| 57 | 81.9 | 75.3 | .57 | 71.9 | 71.9 | .68 | 89.5 | 89.5 | .35 | 78.1 | 78.1 | .38 | 77.0 | 77.0 | .51 | 77.0 | 77.0 | .51 |
| 56 | 81.2 | 74.4 | .65 | 71.2 | 71.2 | .71 | 88.7 | 88.7 | .31 | 77.4 | 77.4 | .37 | 76.2 | 76.2 | .59 | 76.2 | 76.2 | .59 |
| 55 | 80.4 | 73.5 | .74 | 70.4 | 70.4 | .73 | 87.9 | 87.9 | .26 | 76.8 | 76.8 | .34 | 75.4 | 75.4 | .66 | 75.4 | 75.4 | .66 |
| 54 | 79.6 | 72.4 | .79 | 69.6 | 69.6 | .70 | 86.4 | 86.4 | .16 | 76.1 | 76.1 | .41 | 74.7 | 74.7 | .71 | 74.7 | 74.7 | .71 |
| 53 | 78.7 | 71.3 | .83 | 68.8 | 68.8 | .72 | 85.5 | 85.5 | .13 | 75.3 | 75.3 | .45 | 73.9 | 73.9 | .75 | 73.9 | 73.9 | .75 |
| 52 | 77.8 | 70.2 | .84 | 68.0 | 68.0 | .77 | 84.9 | 84.9 | .09 | 74.6 | 74.6 | .55 | 73.0 | 73.0 | .79 | 73.0 | 73.0 | .79 |
| 51 | 76.8 | 69.2 | .82 | 67.1 | 67.1 | .79 | 84.2 | 84.2 | .11 | 73.8 | 73.8 | .62 | 72.1 | 72.1 | .84 | 72.1 | 72.1 | .84 |
| 50 | 75.8 | 68.1 | .80 | 66.3 | 66.3 | .74 | 83.5 | 83.5 | .10 | 73.1 | 73.1 | .72 | 71.2 | 71.2 | .87 | 71.2 | 71.2 | .87 |
| 49 | 74.8 | 67.0 | .78 | 65.4 | 65.4 | .74 | 82.5 | 82.5 | .14 | 72.3 | 72.3 | .76 | 70.2 | 70.2 | .85 | 70.2 | 70.2 | .85 |
| 48 | 73.8 | 65.9 | .76 | 64.5 | 64.5 | .71 | 81.6 | 81.6 | .21 | 71.5 | 71.5 | .78 | 69.2 | 69.2 | .84 | 69.2 | 69.2 | .84 |
| 47 | 72.7 | 64.8 | .82 | 63.5 | 63.5 | .71 | 80.6 | 80.6 | .23 | 70.6 | 70.6 | .84 | 68.2 | 68.2 | .84 | 68.2 | 68.2 | .84 |
| 46 | 71.5 | 63.4 | .72 | 62.4 | 62.4 | .66 | 79.5 | 79.5 | .25 | 69.7 | 69.7 | .77 | 66.9 | 66.9 | .87 | 66.9 | 66.9 | .87 |
| 45 | 70.3 | 62.1 | .67 | 61.4 | 61.4 | .69 | 78.3 | 78.3 | .29 | 68.7 | 68.7 | .71 | 65.7 | 65.7 | .89 | 65.7 | 65.7 | .89 |
| 44 | 69.0 | 60.8 | .61 | 60.4 | 60.4 | .67 | 77.0 | 77.0 | .31 | 67.6 | 67.6 | .71 | 64.4 | 64.4 | .90 | 64.4 | 64.4 | .90 |
| 43 | 67.5 | 59.5 | .56 | 59.4 | 59.4 | .57 | 75.6 | 75.6 | .41 | 66.5 | 66.5 | .72 | 63.0 | 63.0 | .91 | 63.0 | 63.0 | .91 |
| 42 | 66.0 | 58.3 | .53 | 58.5 | 58.5 | .45 | 74.1 | 74.1 | .47 | 65.4 | 65.4 | .75 | 61.7 | 61.7 | .89 | 61.7 | 61.7 | .89 |
| 41 | 64.4 | 57.0 | .46 | 57.5 | 57.5 | .44 | 72.7 | 72.7 | .59 | 64.2 | 64.2 | .79 | 60.4 | 60.4 | .91 | 60.4 | 60.4 | .91 |
| 40 | 62.7 | 55.7 | .42 | 56.3 | 56.3 | .45 | 71.3 | 71.3 | .74 | 62.9 | 62.9 | .72 | 59.2 | 59.2 | .88 | 59.2 | 59.2 | .88 |
| 39 | 61.0 | 54.4 | .37 | 55.1 | 55.1 | .53 | 69.7 | 69.7 | .85 | 61.5 | 61.5 | .62 | 57.9 | 57.9 | .85 | 57.9 | 57.9 | .85 |
| 38 | 59.5 | 53.0 | .39 | 53.8 | 53.8 | .60 | 68.1 | 68.1 | .74 | 60.2 | 60.2 | .56 | 56.5 | 56.5 | .84 | 56.5 | 56.5 | .84 |
| 37 | 57.7 | 51.6 | .41 | 52.4 | 52.4 | .67 | 66.1 | 66.1 | .67 | 58.9 | 58.9 | .52 | 55.0 | 55.0 | .80 | 55.0 | 55.0 | .80 |
| 36 | 56.3 | 50.2 | .47 | 51.0 | 51.0 | .65 | 64.0 | 64.0 | .63 | 57.6 | 57.6 | .51 | 53.5 | 53.5 | .81 | 53.5 | 53.5 | .81 |
| 35 | 54.5 | 48.8 | .48 | 49.6 | 49.6 | .68 | 61.9 | 61.9 | .61 | 56.0 | 56.0 | .48 | 51.7 | 51.7 | .84 | 51.7 | 51.7 | .84 |
| 34 | 52.7 | 47.5 | .52 | 48.0 | 48.0 | .61 | 60.6 | 60.6 | .59 | 54.4 | 54.4 | .51 | 50.0 | 50.0 | .86 | 50.0 | 50.0 | .86 |
| 33 | 50.7 | 46.2 | .59 | 46.4 | 46.4 | .71 | 59.7 | 59.7 | .72 | 52.8 | 52.8 | .54 | 48.3 | 48.3 | .81 | 48.3 | 48.3 | .81 |
| 32 | 49.7 | 44.8 | .64 | 44.7 | 44.7 | .87 | 58.1 | 58.1 | .74 | 51.2 | 51.2 | .56 | 46.5 | 46.5 | .78 | 46.5 | 46.5 | .78 |
| 31 | 46.8 | 43.2 | .78 | 42.5 | 42.5 | 1.06 | 56.1 | 56.1 | .67 | 49.6 | 49.6 | .54 | 44.7 | 44.7 | .80 | 44.7 | 44.7 | .80 |
| 30 | 44.9 | 41.5 | 1.05 | 40.4 | 40.4 | 1.30 | 54.0 | 54.0 | .63 | 47.8 | 47.8 | .58 | 42.6 | 42.6 | .83 | 42.6 | 42.6 | .83 |
| 29 | 43.0 | 39.9 | 1.32 | 38.1 | 38.1 | 1.41 | 51.9 | 51.9 | .61 | 45.0 | 45.0 | .69 | 40.6 | 40.6 | .86 | 40.6 | 40.6 | .86 |
| 28 | 41.2 | 38.1 | 1.43 | 35.8 | 35.8 | 1.48 | 50.2 | 50.2 | .59 | 43.1 | 43.1 | .79 | 38.6 | 38.6 | .90 | 38.6 | 38.6 | .90 |
| 27 | 39.3 | 36.4 | 1.53 | 33.2 | 33.2 | 1.27 | 48.1 | 48.1 | .60 | 41.1 | 41.1 | .94 | 36.5 | 36.5 | .93 | 36.5 | 36.5 | .93 |
| 26 | 37.4 | 34.5 | 1.61 | 30.6 | 30.6 | 1.04 | 46.1 | 46.1 | .58 | 39.0 | 39.0 | 1.07 | 34.4 | 34.4 | .99 | 34.4 | 34.4 | .99 |
| 25 | 35.5 | 32.5 | 1.42 | 28.4 | 28.4 | .85 | 44.1 | 44.1 | .57 | 36.7 | 36.7 | 1.23 | 32.1 | 32.1 | 1.09 | 32.1 | 32.1 | 1.09 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 2, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM 5 | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM F | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|------------|------------------------------------|------------|-------------------------------------|------------|---------------------------------------|------------|--------------------------------|------------|--|------------|
| | TOTAL READING | MAT EQUIV. | TOTAL READING | MAT EQUIV. | TOTAL READING | MAT EQUIV. | TOTAL READING | MAT EQUIV. | TOTAL READING | MAT EQUIV. | TOTAL READING | MAT EQUIV. |
| 24 | 33.5 | 1.22 | 30.6 | 1.23 | 26.5 | .67 | 50.6 | .52 | 34.5 | 1.25 | 29.8 | 1.36 |
| 23 | 31.4 | 1.11 | 28.8 | 1.11 | 24.6 | .58 | 48.4 | .52 | 31.8 | 1.11 | 26.1 | 1.13 |
| 22 | 29.4 | .99 | 27.3 | .95 | 22.9 | .48 | 46.0 | .52 | 29.4 | 1.03 | 26.4 | 1.02 |
| 21 | 27.9 | .86 | 25.8 | .80 | 21.5 | .45 | 43.5 | .51 | 27.4 | .89 | 24.7 | .90 |
| 20 | 26.3 | .69 | 24.2 | .67 | 20.3 | .37 | 40.9 | .66 | 25.4 | .73 | 23.2 | .82 |
| 19 | 24.7 | .56 | 22.5 | .67 | 19.2 | .3 | 38.1 | .81 | 23.4 | .62 | 21.8 | .61 |
| 18 | 23.0 | .52 | 21.0 | .71 | 18.1 | .51 | 35.3 | 1.01 | 21.7 | .60 | 20.6 | .55 |
| 17 | 21.5 | .49 | 19.6 | .71 | 17.1 | .61 | 32.1 | .95 | 20.5 | .48 | 19.6 | .51 |
| 16 | 20.4 | .42 | 18.4 | .63 | 16.0 | .88 | 29.2 | .91 | 19.3 | .37 | 18.8 | .53 |
| 15 | 19.2 | .45 | 17.1 | .98 | 14.9 | 1.23 | 27.1 | .81 | 18.2 | .45 | 17.9 | 1.05 |
| 14 | 18.0 | .66 | 15.8 | 1.10 | 14.2 | 1.42 | 25.0 | .72 | 17.0 | .62 | 17.1 | 1.21 |
| 13 | 16.3 | .74 | 14.7 | 1.21 | 13.5 | 1.66 | 23.2 | .54 | 15.7 | .82 | 16.4 | 1.35 |
| 12 | 14.6 | .87 | 13.8 | 1.24 | 12.7 | 1.78 | 21.3 | .60 | 14.5 | .91 | 15.6 | 1.51 |
| 11 | 13.3 | 1.00 | 13.0 | 1.31 | 12.0 | 2.29 | 19.7 | .50 | 13.4 | .87 | 14.9 | 1.62 |
| 10 | 11.9 | 1.16 | 12.2 | 1.44 | 11.3 | 2.55 | 18.0 | .55 | 12.4 | .93 | 13.9 | 1.92 |
| 9 | 10.6 | 1.36 | 11.4 | 1.61 | 10.6 | 2.83 | 15.8 | .95 | 11.3 | .84 | 12.9 | 2.02 |
| 8 | 9.2 | 1.54 | 10.6 | 1.82 | 9.9 | 3.16 | 13.9 | 1.04 | 10.3 | .96 | 11.9 | 1.90 |
| 7 | 7.9 | 1.72 | 9.8 | 2.05 | 9.2 | 3.52 | 12.2 | .99 | 9.2 | .89 | 10.9 | 1.51 |
| 6 | 6.5 | 1.92 | 9.0 | 2.28 | 8.4 | 3.51 | 10.5 | 1.10 | 8.2 | .98 | 9.9 | 1.38 |
| 5 | 5.2 | 2.08 | 8.2 | 2.56 | 7.7 | 3.42 | 8.8 | 1.05 | 7.1 | 1.06 | 9.0 | 1.64 |
| 4 | 3.8 | 1.71 | 7.3 | 2.76 | 7.0 | 3.38 | 7.1 | 1.12 | 6.1 | 1.19 | 8.0 | 2.13 |
| 3 | 2.5 | 1.46 | 6.5 | 2.87 | 6.3 | 3.17 | 5.4 | 1.24 | 5.0 | 1.29 | 7.0 | 2.72 |
| 2 | 1.1 | 1.06 | 5.7 | 2.75 | 5.6 | 2.93 | 3.6 | 1.34 | 4.0 | 1.45 | 6.0 | 3.16 |
| 1 | .0 | .78 | 4.9 | 2.69 | 4.9 | 2.50 | 1.9 | 1.20 | 2.9 | 1.55 | 5.0 | 3.29 |
| 0 | .0 | .04 | 4.1 | 2.35 | 4.1 | 2.14 | .2 | .64 | 1.9 | 1.37 | 4.0 | 2.87 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 3, LINEAR

| I | CAT (70 ED.) LEVEL 3 FORM A | | | CTBS (68 ED.) LEVEL 2 FORM Q | | | ITBS (71 ED.) LEVEL 10 FORM 5 | | | STEP-II (69 ED.) LEVEL 4 FORM A | | | SRA (71 ED.) BLUE FORM E | | | SAT (64 ED.) INTERMEDIATE I FORM W | | |
|-----|-----------------------------------|------------|-------|------------------------------------|------------|-------|-------------------------------------|------------|-------|---------------------------------------|------------|-------|--------------------------------|------------|-------|--|------------|-------|
| | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
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| 66 | | | | | | | | | | | | | | | | | | |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 3, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | | CTBS (68 ED.) LEVEL 2 FORM Q | | | IT35 (71 ED.) LEVEL 10 FORM 5 | | | STEP-11 (69 ED.) LEVEL 4 FORM A | | | SRA (71 ED.) BLUE FORM E | | | SAT (64 ED.) INTERMEDIATE 1 FORM M | | |
|-----------|-----------------------------------|------------|-------|------------------------------------|------------|-------|-------------------------------------|------------|-------|---------------------------------------|------------|-------|--------------------------------|------------|-------|--|------------|-------|
| | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
| 65 | 70.5 | 76 | 1.58 | 83.4 | 73.9 | 1.30 | 73.9 | 73.9 | 1.30 | 112.3 | 1.03 | 65.7 | 1.17 | 82.5 | 1.19 | 82.5 | 1.19 | 1.19 |
| 64 | 39.2 | .80 | 1.58 | 82.2 | 72.9 | 1.30 | 72.9 | 72.9 | 1.30 | 110.5 | 1.04 | 64.6 | 1.19 | 81.4 | 1.22 | 81.4 | 1.22 | 1.22 |
| 63 | 87.8 | .81 | 1.61 | 81.0 | 71.9 | 1.34 | 71.9 | 71.9 | 1.34 | 106.8 | .98 | 63.5 | 1.19 | 80.3 | 1.23 | 80.3 | 1.23 | 1.23 |
| 62 | 86.5 | .82 | 1.67 | 79.8 | 70.9 | 1.33 | 70.9 | 70.9 | 1.33 | 105.0 | .98 | 62.3 | 1.22 | 79.1 | 1.22 | 79.1 | 1.22 | 1.22 |
| 61 | 85.1 | .89 | 1.69 | 78.6 | 70.0 | 1.25 | 70.0 | 70.0 | 1.25 | 103.2 | .97 | 61.0 | 1.24 | 78.0 | 1.23 | 78.0 | 1.23 | 1.23 |
| 60 | 83.7 | .94 | 1.71 | 77.4 | 69.0 | 1.58 | 69.0 | 69.0 | 1.58 | 101.3 | .96 | 59.9 | 1.27 | 76.9 | 1.25 | 76.9 | 1.25 | 1.25 |
| 59 | 82.4 | .94 | 1.72 | 76.2 | 68.0 | 1.40 | 68.0 | 68.0 | 1.40 | 99.5 | .94 | 58.7 | 1.27 | 75.7 | 1.27 | 75.7 | 1.27 | 1.27 |
| 58 | 81.0 | 1.00 | 1.77 | 75.0 | 67.0 | 1.41 | 67.0 | 67.0 | 1.41 | 97.7 | .95 | 57.9 | 1.23 | 74.6 | 1.27 | 74.6 | 1.27 | 1.27 |
| 57 | 79.7 | 1.03 | 1.77 | 73.8 | 65.0 | 1.42 | 65.0 | 65.0 | 1.42 | 95.9 | .93 | 56.7 | 1.35 | 73.5 | 1.31 | 73.5 | 1.31 | 1.31 |
| 56 | 78.3 | 1.09 | 1.83 | 72.6 | 65.0 | 1.43 | 65.0 | 65.0 | 1.43 | 94.1 | .98 | 55.5 | 1.35 | 72.3 | 1.34 | 72.3 | 1.34 | 1.34 |
| 55 | 77.0 | 1.10 | 1.85 | 71.4 | 64.0 | 1.47 | 64.0 | 64.0 | 1.47 | 92.2 | .99 | 54.4 | 1.35 | 71.2 | 1.34 | 71.2 | 1.34 | 1.34 |
| 54 | 75.6 | 1.15 | 1.87 | 70.2 | 63.0 | 1.45 | 63.0 | 63.0 | 1.45 | 90.4 | 1.00 | 53.3 | 1.40 | 70.1 | 1.35 | 70.1 | 1.35 | 1.35 |
| 53 | 74.2 | 1.21 | 1.89 | 69.0 | 62.1 | .51 | 62.1 | 62.1 | .51 | 88.6 | 1.02 | 52.2 | 1.42 | 68.9 | 1.40 | 68.9 | 1.40 | 1.40 |
| 52 | 72.9 | 1.27 | 1.94 | 67.8 | 61.1 | 1.52 | 61.1 | 61.1 | 1.52 | 86.8 | 1.04 | 51.1 | 1.45 | 67.9 | 1.43 | 67.9 | 1.43 | 1.43 |
| 51 | 71.5 | 1.29 | 1.96 | 66.6 | 60.1 | 1.54 | 60.1 | 60.1 | 1.54 | 85.8 | 1.06 | 50.0 | 1.45 | 66.7 | 1.44 | 66.7 | 1.44 | 1.44 |
| 50 | 70.2 | 1.32 | 2.01 | 65.4 | 59.1 | 1.57 | 59.1 | 59.1 | 1.57 | 84.1 | .98 | 48.9 | 1.51 | 65.5 | 1.44 | 65.5 | 1.44 | 1.44 |
| 49 | 68.8 | 1.40 | 2.06 | 64.2 | 58.1 | 1.59 | 58.1 | 58.1 | 1.59 | 82.2 | .99 | 47.8 | 1.53 | 64.4 | 1.43 | 64.4 | 1.43 | 1.43 |
| 48 | 67.5 | 1.42 | 2.08 | 63.0 | 57.1 | 1.60 | 57.1 | 57.1 | 1.60 | 80.4 | 1.00 | 46.7 | 1.55 | 63.3 | 1.52 | 63.3 | 1.52 | 1.52 |
| 47 | 65.1 | 1.46 | 2.11 | 61.8 | 56.1 | 1.63 | 56.1 | 56.1 | 1.63 | 78.6 | 1.02 | 45.6 | 1.59 | 62.1 | 1.55 | 62.1 | 1.55 | 1.55 |
| 46 | 64.7 | 1.55 | 2.14 | 60.6 | 55.2 | 1.64 | 55.2 | 55.2 | 1.64 | 76.6 | 1.04 | 44.4 | 1.61 | 61.0 | 1.55 | 61.0 | 1.55 | 1.55 |
| 45 | 63.4 | 1.58 | 2.18 | 59.4 | 54.2 | 1.67 | 54.2 | 54.2 | 1.67 | 74.0 | 1.06 | 43.2 | 1.64 | 59.9 | 1.59 | 59.9 | 1.59 | 1.59 |
| 44 | 62.0 | 1.61 | 2.19 | 58.2 | 53.2 | 1.71 | 53.2 | 53.2 | 1.71 | 72.2 | 1.10 | 42.1 | 1.68 | 58.8 | 1.62 | 58.8 | 1.62 | 1.62 |
| 43 | 60.7 | 1.67 | 2.26 | 57.0 | 52.2 | 1.74 | 52.2 | 52.2 | 1.74 | 70.3 | 1.12 | 41.0 | 1.68 | 57.6 | 1.63 | 57.6 | 1.63 | 1.63 |
| 42 | 59.3 | 1.72 | 2.28 | 55.8 | 51.2 | 1.73 | 51.2 | 51.2 | 1.73 | 68.5 | 1.16 | 39.9 | 1.68 | 56.5 | 1.63 | 56.5 | 1.63 | 1.63 |
| 41 | 58.0 | 1.76 | 2.32 | 54.6 | 50.2 | 1.75 | 50.2 | 50.2 | 1.75 | 66.7 | 1.17 | 38.7 | 1.76 | 55.4 | 1.67 | 55.4 | 1.67 | 1.67 |
| 40 | 56.6 | 1.82 | 2.35 | 53.4 | 49.2 | 1.79 | 49.2 | 49.2 | 1.79 | 64.9 | 1.17 | 37.6 | 1.76 | 54.2 | 1.74 | 54.2 | 1.74 | 1.74 |
| 39 | 55.2 | 1.88 | 2.39 | 52.2 | 48.2 | 1.80 | 48.2 | 48.2 | 1.80 | 63.1 | 1.22 | 36.4 | 1.81 | 53.1 | 1.74 | 53.1 | 1.74 | 1.74 |
| 38 | 53.9 | 1.91 | 2.43 | 51.0 | 47.3 | 1.85 | 47.3 | 47.3 | 1.85 | 61.2 | 1.30 | 35.2 | 1.85 | 52.0 | 1.79 | 52.0 | 1.79 | 1.79 |
| 37 | 52.5 | 1.98 | 2.48 | 49.8 | 46.3 | 1.85 | 46.3 | 46.3 | 1.85 | 59.4 | 1.36 | 34.0 | 1.85 | 50.8 | 1.83 | 50.8 | 1.83 | 1.83 |
| 36 | 51.2 | 2.00 | 2.52 | 48.6 | 45.3 | 1.88 | 45.3 | 45.3 | 1.88 | 57.6 | 1.38 | 32.8 | 1.92 | 49.7 | 1.86 | 49.7 | 1.86 | 1.86 |
| 35 | 49.8 | 2.06 | 2.56 | 47.4 | 44.3 | 1.93 | 44.3 | 44.3 | 1.93 | 55.8 | 1.43 | 31.6 | 1.94 | 48.7 | 1.87 | 48.7 | 1.87 | 1.87 |
| 34 | 48.5 | 2.12 | 2.59 | 46.2 | 43.3 | 1.92 | 43.3 | 43.3 | 1.92 | 53.9 | 1.45 | 30.4 | 1.99 | 47.5 | 1.91 | 47.5 | 1.91 | 1.91 |
| 33 | 47.1 | 2.16 | 2.62 | 45.0 | 42.3 | 1.96 | 42.3 | 42.3 | 1.96 | 52.1 | 1.51 | 29.2 | 2.01 | 46.3 | 1.94 | 46.3 | 1.94 | 1.94 |
| 32 | 45.7 | 2.22 | 2.68 | 43.8 | 41.3 | 2.00 | 41.3 | 41.3 | 2.00 | 50.3 | 1.57 | 28.0 | 2.04 | 45.2 | 1.98 | 45.2 | 1.98 | 1.98 |
| 31 | 44.4 | 2.28 | 2.72 | 42.6 | 40.3 | 2.02 | 40.3 | 40.3 | 2.02 | 48.4 | 1.61 | 26.8 | 2.08 | 44.0 | 1.99 | 44.0 | 1.99 | 1.99 |
| 30 | 43.0 | 2.33 | 2.75 | 41.4 | 39.4 | 2.04 | 39.4 | 39.4 | 2.04 | 46.6 | 1.67 | 25.6 | 2.10 | 42.9 | 2.05 | 42.9 | 2.05 | 2.05 |
| 29 | 41.7 | 2.34 | 2.79 | 40.2 | 38.4 | 2.06 | 38.4 | 38.4 | 2.06 | 44.8 | 1.69 | 24.4 | 2.14 | 41.8 | 2.08 | 41.8 | 2.08 | 2.08 |
| 28 | 40.3 | 2.42 | 2.83 | 39.0 | 37.4 | 2.09 | 37.4 | 37.4 | 2.09 | 43.0 | 1.78 | 23.2 | 2.19 | 40.6 | 2.09 | 40.6 | 2.09 | 2.09 |
| 27 | 39.0 | 2.47 | 2.85 | 37.8 | 36.4 | 2.12 | 36.4 | 36.4 | 2.12 | 41.2 | 1.80 | 22.0 | 2.21 | 39.5 | 2.14 | 39.5 | 2.14 | 2.14 |
| 26 | 37.6 | 2.53 | 2.91 | 36.6 | 35.4 | 2.13 | 35.4 | 35.4 | 2.13 | 39.4 | 1.87 | 20.8 | 2.24 | 38.4 | 2.17 | 38.4 | 2.17 | 2.17 |
| 25 | 36.2 | 2.59 | 2.99 | 35.4 | 34.4 | 2.16 | 34.4 | 34.4 | 2.16 | 38.2 | 1.92 | 19.6 | 2.27 | 37.2 | 2.21 | 37.2 | 2.21 | 2.21 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 3, LINEAR

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | IYBS (71 ED.) LEVEL 10 FORM 5 | | STEP-11 (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR |
| 24 | 34.9 | 2.62 | 34.2 | 3.00 | 33.4 | 2.19 | 46.6 | 1.99 | 39.0 | 2.32 | 36.1 | 2.23 |
| 23 | 33.5 | 2.70 | 33.0 | 3.05 | 32.5 | 2.22 | 44.8 | 2.02 | 38.5 | 2.34 | 35.0 | 2.78 |
| 22 | 32.2 | 2.71 | 31.8 | 3.09 | 31.5 | 2.24 | 43.0 | 2.08 | 37.4 | 2.37 | 33.8 | 2.30 |
| 21 | 30.8 | 2.78 | 30.6 | 3.12 | 30.5 | 2.28 | 41.2 | 2.14 | 36.3 | 2.42 | 32.7 | 2.33 |
| 20 | 29.5 | 2.83 | 29.4 | 3.15 | 29.5 | 2.31 | 39.3 | 2.19 | 35.1 | 2.45 | 31.5 | 2.37 |
| 19 | 28.1 | 2.90 | 28.2 | 3.21 | 28.5 | 2.33 | 37.5 | 2.25 | 34.0 | 2.47 | 30.5 | 2.41 |
| 18 | 26.7 | 2.94 | 27.0 | 3.24 | 27.5 | 2.32 | 35.7 | 2.28 | 32.9 | 2.52 | 29.3 | 2.44 |
| 17 | 25.4 | 2.99 | 25.8 | 3.29 | 25.5 | 2.39 | 33.9 | 2.33 | 31.3 | 2.55 | 28.2 | 2.46 |
| 16 | 24.0 | 3.05 | 24.6 | 3.33 | 25.5 | 2.40 | 32.0 | 2.41 | 30.6 | 2.59 | 27.1 | 2.50 |
| 15 | 22.7 | 3.09 | 23.4 | 3.37 | 24.6 | 2.43 | 30.2 | 2.45 | 29.5 | 2.62 | 25.9 | 2.55 |
| 14 | 21.3 | 3.16 | 22.2 | 3.41 | 23.6 | 2.46 | 28.4 | 2.53 | 28.4 | 2.65 | 24.8 | 2.58 |
| 13 | 20.0 | 3.19 | 21.0 | 3.45 | 22.6 | 2.49 | 26.6 | 2.55 | 27.3 | 2.70 | 23.7 | 2.61 |
| 12 | 18.6 | 3.24 | 19.8 | 3.52 | 21.6 | 2.51 | 24.8 | 2.63 | 26.2 | 2.72 | 22.5 | 2.65 |
| 11 | 17.2 | 3.32 | 18.6 | 3.55 | 20.6 | 2.54 | 22.9 | 2.66 | 25.0 | 2.77 | 21.4 | 2.69 |
| 10 | 15.9 | 3.34 | 17.4 | 3.60 | 19.6 | 2.57 | 21.1 | 2.74 | 23.9 | 2.80 | 20.3 | 2.71 |
| 9 | 14.5 | 3.41 | 16.2 | 3.63 | 18.6 | 2.60 | 19.3 | 2.79 | 22.8 | 2.82 | 19.1 | 2.75 |
| 8 | 13.2 | 3.48 | 15.0 | 3.68 | 17.7 | 2.64 | 17.5 | 2.85 | 21.7 | 2.87 | 18.0 | 2.80 |
| 7 | 11.8 | 3.51 | 13.8 | 3.72 | 16.7 | 2.65 | 15.6 | 2.93 | 20.5 | 2.91 | 16.9 | 2.83 |
| 6 | 10.5 | 3.54 | 12.6 | 3.77 | 15.7 | 2.67 | 13.8 | 2.95 | 19.4 | 2.94 | 15.7 | 2.86 |
| 5 | 9.1 | 3.62 | 11.4 | 3.80 | 14.7 | 2.74 | 12.0 | 3.02 | 18.3 | 2.98 | 14.6 | 2.89 |
| 4 | 7.7 | 3.69 | 10.3 | 3.89 | 13.7 | 2.74 | 10.2 | 3.06 | 17.2 | 3.01 | 13.5 | 2.93 |
| 3 | 6.4 | 3.71 | 9.1 | 3.89 | 12.7 | 2.75 | 8.3 | 3.14 | 16.0 | 3.05 | 12.3 | 2.97 |
| 2 | 5.0 | 3.79 | 7.9 | 3.94 | 11.7 | 2.81 | 6.5 | 3.20 | 14.9 | 3.08 | 11.2 | 3.00 |
| 1 | 3.7 | 3.82 | 6.7 | 3.98 | 10.7 | 2.82 | 4.7 | 3.25 | 13.8 | 3.11 | 10.1 | 3.03 |
| 0 | 2.3 | 3.89 | 5.5 | 4.03 | 9.8 | 2.86 | 2.9 | 3.29 | 12.7 | 3.16 | 8.9 | 3.07 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 3, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | | CTBS (68 ED.) LEVEL 2 FORM Q | | | ITBS (71 ED.) LEVEL 4 FORM 5 | | | STEP-II (69 ED.) LEVEL 4 FORM A | | | S3A (71 ED.) BLUE FORM E | | | SAT (64 ED.) INTERMEDIATE I FORM M | | |
|-----------|-----------------------------|------------|-------|------------------------------|------------|-------|------------------------------|------------|-------|---------------------------------|------------|-------|--------------------------|------------|-------|------------------------------------|------------|-------|
| | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
| 65 | 86.2 | 82.5 | .89 | 76.0 | 76.0 | 1.13 | 95.2 | 95.2 | .33 | 81.1 | 81.1 | .62 | 82.3 | 82.3 | .54 | 81.7 | 81.7 | .72 |
| 64 | 85.7 | 81.7 | .98 | 75.4 | 75.4 | 1.25 | 94.5 | 94.5 | .28 | 80.6 | 80.6 | .65 | 81.2 | 81.2 | .75 | 81.2 | 81.2 | .75 |
| 63 | 85.1 | 80.9 | 1.13 | 74.7 | 74.7 | 1.34 | 93.8 | 93.8 | .18 | 82.1 | 82.1 | .67 | 80.5 | 80.5 | .83 | 81.6 | 81.6 | .83 |
| 62 | 84.5 | 80.0 | 1.23 | 74.0 | 74.0 | 1.39 | 93.1 | 93.1 | .17 | 81.6 | 81.6 | .70 | 79.9 | 79.9 | .96 | 81.0 | 81.0 | .85 |
| 61 | 83.9 | 79.2 | 1.38 | 73.3 | 73.3 | 1.47 | 92.6 | 92.6 | .33 | 81.0 | 81.0 | .75 | 79.2 | 79.2 | .96 | 80.5 | 80.5 | .96 |
| 60 | 83.2 | 78.3 | 1.47 | 72.6 | 72.6 | 1.55 | 91.6 | 91.6 | .32 | 80.5 | 80.5 | .75 | 79.2 | 79.2 | .96 | 80.5 | 80.5 | .96 |
| 59 | 82.5 | 77.4 | 1.62 | 71.9 | 71.9 | 1.54 | 91.6 | 91.6 | .32 | 80.5 | 80.5 | .75 | 79.2 | 79.2 | .96 | 80.5 | 80.5 | .96 |
| 58 | 81.7 | 76.5 | 1.77 | 71.1 | 71.1 | 1.59 | 90.6 | 90.6 | .34 | 79.9 | 79.9 | .91 | 78.4 | 78.4 | 1.04 | 79.9 | 79.9 | .91 |
| 57 | 80.9 | 75.5 | 1.90 | 70.3 | 70.3 | 1.60 | 90.6 | 90.6 | .34 | 79.9 | 79.9 | .91 | 78.4 | 78.4 | 1.04 | 79.9 | 79.9 | .91 |
| 56 | 80.1 | 74.6 | 2.03 | 69.5 | 69.5 | 1.61 | 89.2 | 89.2 | .39 | 78.7 | 78.7 | .96 | 76.8 | 76.8 | 1.15 | 78.7 | 78.7 | .96 |
| 55 | 79.2 | 73.6 | 2.11 | 68.7 | 68.7 | 1.77 | 88.3 | 88.3 | .40 | 78.1 | 78.1 | 1.06 | 76.0 | 76.0 | 1.25 | 77.4 | 77.4 | 1.13 |
| 54 | 78.5 | 72.5 | 2.16 | 67.8 | 67.8 | 1.83 | 87.7 | 87.7 | .39 | 77.4 | 77.4 | 1.13 | 75.1 | 75.1 | 1.32 | 76.7 | 76.7 | 1.21 |
| 53 | 77.1 | 71.4 | 2.20 | 67.0 | 67.0 | 1.94 | 86.7 | 86.7 | .44 | 76.7 | 76.7 | 1.21 | 74.2 | 74.2 | 1.38 | 76.7 | 76.7 | 1.21 |
| 52 | 76.1 | 70.4 | 2.31 | 66.2 | 66.2 | 2.03 | 85.9 | 85.9 | .45 | 76.0 | 76.0 | 1.30 | 73.4 | 73.4 | 1.46 | 75.3 | 75.3 | 1.45 |
| 51 | 75.0 | 69.4 | 2.42 | 65.3 | 65.3 | 2.07 | 85.1 | 85.1 | .44 | 75.3 | 75.3 | 1.36 | 72.5 | 72.5 | 1.52 | 74.7 | 74.7 | 1.45 |
| 50 | 73.9 | 68.4 | 2.55 | 64.4 | 64.4 | 2.09 | 84.3 | 84.3 | .45 | 74.7 | 74.7 | 1.45 | 71.6 | 71.6 | 1.59 | 74.0 | 74.0 | 1.48 |
| 49 | 72.7 | 67.3 | 2.66 | 63.5 | 63.5 | 2.12 | 83.5 | 83.5 | .50 | 74.0 | 74.0 | 1.48 | 69.7 | 69.7 | 1.71 | 73.4 | 73.4 | 1.56 |
| 48 | 71.6 | 66.2 | 2.72 | 62.5 | 62.5 | 2.08 | 82.5 | 82.5 | .54 | 73.4 | 73.4 | 1.61 | 68.6 | 68.6 | .81 | 72.4 | 72.4 | 1.61 |
| 47 | 70.3 | 65.0 | 2.78 | 61.6 | 61.6 | 2.08 | 81.6 | 81.6 | .61 | 72.4 | 72.4 | 1.61 | 67.5 | 67.5 | 1.08 | 71.0 | 71.0 | 1.64 |
| 46 | 69.0 | 63.8 | 2.84 | 60.7 | 60.7 | 2.08 | 80.5 | 80.5 | .70 | 71.0 | 71.0 | 1.64 | 66.4 | 66.4 | 1.38 | 70.7 | 70.7 | 1.67 |
| 45 | 67.7 | 62.6 | 2.86 | 59.7 | 59.7 | 2.07 | 79.4 | 79.4 | .80 | 70.7 | 70.7 | 1.67 | 65.2 | 65.2 | 2.06 | 69.8 | 69.8 | 1.73 |
| 44 | 66.2 | 61.4 | 2.86 | 58.8 | 58.8 | 2.09 | 78.3 | 78.3 | .93 | 69.8 | 69.8 | 1.73 | 64.0 | 64.0 | 2.15 | 68.9 | 68.9 | 1.77 |
| 43 | 64.7 | 60.3 | 2.89 | 57.9 | 57.9 | 2.11 | 77.0 | 77.0 | 1.07 | 68.9 | 68.9 | 1.82 | 62.9 | 62.9 | 2.13 | 67.9 | 67.9 | 1.82 |
| 42 | 63.1 | 59.1 | 2.90 | 56.8 | 56.8 | 2.12 | 75.6 | 75.6 | 1.22 | 67.9 | 67.9 | 1.82 | 61.5 | 61.5 | 2.21 | 66.0 | 66.0 | 1.84 |
| 41 | 61.5 | 57.9 | 2.94 | 55.6 | 55.6 | 2.12 | 74.2 | 74.2 | 1.36 | 66.0 | 66.0 | 1.84 | 60.3 | 60.3 | 2.25 | 65.9 | 65.9 | 1.99 |
| 40 | 60.0 | 56.7 | 3.00 | 54.5 | 54.5 | 2.17 | 72.7 | 72.7 | 1.52 | 65.9 | 65.9 | 1.99 | 59.1 | 59.1 | 2.24 | 64.8 | 64.8 | 2.09 |
| 39 | 58.4 | 55.4 | 3.09 | 53.2 | 53.2 | 2.18 | 71.1 | 71.1 | 1.62 | 64.8 | 64.8 | 2.09 | 57.8 | 57.8 | 2.24 | 63.5 | 63.5 | 2.14 |
| 38 | 56.9 | 54.1 | 3.20 | 51.9 | 51.9 | 2.24 | 69.4 | 69.4 | 1.71 | 63.5 | 63.5 | 2.14 | 56.4 | 56.4 | 2.25 | 62.3 | 62.3 | 2.19 |
| 37 | 55.2 | 52.7 | 3.35 | 50.5 | 50.5 | 2.29 | 67.7 | 67.7 | 1.85 | 62.3 | 62.3 | 2.19 | 55.0 | 55.0 | 2.29 | 61.0 | 61.0 | 2.24 |
| 36 | 53.5 | 51.4 | 3.43 | 48.9 | 48.9 | 2.33 | 66.8 | 66.8 | 1.85 | 61.0 | 61.0 | 2.24 | 53.5 | 53.5 | 2.32 | 59.6 | 59.6 | 2.31 |
| 35 | 51.9 | 50.1 | 3.52 | 47.2 | 47.2 | 2.32 | 65.8 | 65.8 | 1.96 | 59.6 | 59.6 | 2.31 | 52.0 | 52.0 | 2.37 | 58.1 | 58.1 | 2.35 |
| 34 | 50.1 | 48.5 | 3.54 | 45.5 | 45.5 | 2.37 | 64.8 | 64.8 | 2.07 | 58.1 | 58.1 | 2.35 | 50.4 | 50.4 | 2.41 | 56.6 | 56.6 | 2.42 |
| 33 | 48.1 | 46.8 | 3.55 | 43.7 | 43.7 | 2.42 | 63.8 | 63.8 | 2.16 | 56.6 | 56.6 | 2.42 | 48.6 | 48.6 | 2.44 | 55.0 | 55.0 | 2.48 |
| 32 | 46.0 | 45.2 | 3.57 | 41.9 | 41.9 | 2.44 | 62.5 | 62.5 | 2.23 | 55.0 | 55.0 | 2.48 | 46.7 | 46.7 | 2.40 | 53.5 | 53.5 | 2.55 |
| 31 | 44.0 | 43.6 | 3.59 | 40.0 | 40.0 | 2.44 | 61.5 | 61.5 | 2.34 | 53.5 | 53.5 | 2.55 | 44.8 | 44.8 | 2.50 | 51.8 | 51.8 | 2.65 |
| 30 | 42.1 | 42.0 | 3.59 | 37.9 | 37.9 | 2.37 | 60.5 | 60.5 | 2.47 | 51.8 | 51.8 | 2.65 | 42.8 | 42.8 | 2.49 | 50.1 | 50.1 | 2.74 |
| 29 | 40.2 | 40.4 | 3.58 | 35.8 | 35.8 | 2.35 | 59.3 | 59.3 | 2.52 | 50.1 | 50.1 | 2.85 | 40.9 | 40.9 | 2.50 | 48.1 | 48.1 | 2.85 |
| 28 | 38.4 | 38.6 | 3.53 | 33.7 | 33.7 | 2.25 | 57.0 | 57.0 | 2.65 | 48.1 | 48.1 | 2.85 | 38.8 | 38.8 | 2.52 | 45.9 | 45.9 | 2.87 |
| 27 | 36.6 | 36.9 | 3.47 | 31.7 | 31.7 | 2.17 | 55.7 | 55.7 | 2.79 | 45.9 | 45.9 | 2.87 | 36.8 | 36.8 | 2.48 | 43.5 | 43.5 | 2.86 |
| 26 | 34.9 | 35.2 | 3.39 | 29.6 | 29.6 | 2.10 | 52.5 | 52.5 | 2.93 | 43.5 | 43.5 | 2.86 | 34.8 | 34.8 | 2.50 | 41.0 | 41.0 | 2.79 |
| 25 | 33.1 | 33.3 | 3.26 | 27.9 | 27.9 | 1.88 | 50.2 | 50.2 | 3.02 | 41.0 | 41.0 | 2.79 | 32.7 | 32.7 | 2.41 | 38.5 | 38.5 | 2.73 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

PROCEDURE 3, EQUIPERCENTILE

| RAM SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 10 FORM S | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM H | |
|-----------|-----------------------------------|-------|------------------------------------|-------|-------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR |
| 24 | 31.4 | 3.02 | 31.5 | 3.11 | 25.1 | 1.68 | 47.5 | 2.77 | 36.0 | 2.69 | 30.6 | 2.30 |
| 23 | 29.7 | 2.86 | 29.6 | 2.93 | 24.4 | 1.47 | 44.7 | 2.84 | 33.5 | 2.58 | 28.9 | 2.17 |
| 22 | 28.2 | 2.63 | 28.0 | 2.68 | 22.9 | 1.36 | 42.1 | 2.79 | 31.0 | 2.48 | 27.3 | 2.08 |
| 21 | 26.7 | 2.41 | 26.4 | 2.46 | 21.5 | 1.20 | 38.7 | 2.71 | 28.9 | 2.35 | 25.8 | 1.93 |
| 20 | 25.2 | 2.19 | 24.8 | 2.28 | 20.2 | 1.04 | 37.2 | 2.64 | 27.0 | 2.19 | 24.2 | 1.83 |
| 19 | 23.8 | 1.97 | 23.2 | 2.14 | 19.0 | .90 | 34.7 | 2.58 | 25.1 | 2.06 | 22.9 | 1.70 |
| 18 | 22.4 | 1.72 | 21.7 | 2.02 | 18.0 | .75 | 32.1 | 2.49 | 23.4 | 1.95 | 21.6 | 1.59 |
| 17 | 21.0 | 1.42 | 20.3 | 1.89 | 17.0 | .76 | 29.6 | 2.33 | 22.0 | 1.70 | 20.6 | 1.50 |
| 16 | 19.6 | 1.13 | 19.0 | 1.80 | 16.2 | .85 | 27.5 | 2.14 | 20.8 | 1.54 | 19.5 | 1.39 |
| 15 | 18.3 | .88 | 17.8 | 1.79 | 15.4 | .90 | 25.4 | 1.96 | 19.6 | 1.35 | 18.9 | 1.31 |
| 14 | 16.9 | .79 | 16.7 | 1.84 | 14.6 | .84 | 23.6 | 1.67 | 18.4 | 1.19 | 18.0 | 1.30 |
| 13 | 15.2 | .85 | 15.6 | 1.80 | 13.9 | .77 | 21.9 | 1.47 | 17.2 | 1.04 | 17.2 | 1.35 |
| 12 | 14.1 | .75 | 14.5 | 1.78 | 13.1 | .71 | 20.3 | 1.35 | 16.0 | 1.04 | 16.4 | 1.36 |
| 11 | 13.1 | .77 | 13.6 | 1.80 | 12.4 | .64 | 18.3 | 1.15 | 14.8 | 1.06 | 15.6 | 1.37 |
| 10 | 12.1 | .94 | 12.6 | 1.81 | 11.6 | .61 | 17.3 | 1.03 | 13.9 | .96 | 14.8 | 1.37 |
| 9 | 11.1 | 1.19 | 11.7 | 1.83 | 10.9 | .56 | 15.5 | 1.02 | 13.0 | .89 | 13.7 | 1.45 |
| 8 | 10.1 | 1.48 | 10.7 | 1.89 | 10.1 | .56 | 14.0 | .95 | 12.1 | .81 | 12.6 | 1.39 |
| 7 | 9.0 | 1.76 | 9.7 | 1.94 | 9.4 | .53 | 12.7 | .79 | 11.2 | .78 | 11.5 | 1.24 |
| 6 | 8.0 | 2.03 | 8.8 | 2.05 | 8.6 | .7 | 11.5 | .66 | 10.3 | .73 | 10.5 | 1.08 |
| 5 | 7.0 | 2.38 | 7.8 | 2.11 | 7.9 | .55 | 10.2 | .59 | 9.4 | .70 | 9.4 | 1.11 |
| 4 | 6.0 | 2.70 | 6.9 | 2.25 | 7.1 | .63 | 8.9 | .58 | 8.2 | .65 | 8.3 | .91 |
| 3 | 5.0 | 2.71 | 5.9 | 2.27 | 6.4 | .65 | 7.7 | .68 | 7.6 | .62 | 7.2 | .88 |
| 2 | 4.0 | 2.65 | 5.0 | 1.97 | 5.6 | .75 | 6.4 | .79 | 6.7 | .63 | 6.1 | .85 |
| 1 | 3.0 | 2.13 | 4.0 | 1.65 | 4.9 | .79 | 5.1 | .95 | 5.8 | .63 | 5.0 | .86 |
| 0 | 2.0 | 1.56 | 3.1 | 1.39 | 4.1 | .91 | 3.9 | 1.16 | 4.9 | .64 | 4.0 | .86 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

AVERAGE OF PROCEDURES 1 AND 2, LINEAR

| RAM SCORE | CAT (70 ED.) LEVEL 3 FORM A | | | CTBS (68 ED.) LEVEL 2 FORM Q | | | ITBS (71 ED.) LEVEL 10 FORM S | | | STEP-II (69 ED.) LEVEL 4 FORM A | | | SRA (71 ED.) BLUE FORM E | | | SAT (64 ED.) INTERMEDIATE I FORM W | | |
|-----------|-----------------------------------|------------|-------|------------------------------------|------------|-------|-------------------------------------|------------|-------|---------------------------------------|------------|-------|--------------------------------|------------|-------|--|------------|-------|
| | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
| 55 | 92.8 | 83.2 | .24 | 75.1 | 75.1 | .37 | 63.2 | 63.2 | .35 | 62.2 | 62.2 | .60 | 59.9 | 59.9 | .39 | 67.7 | 67.7 | .43 |
| 64 | 91.5 | 82.0 | .23 | 74.2 | 74.2 | .41 | 62.0 | 62.0 | .55 | 60.2 | 60.2 | .43 | 66.9 | 66.9 | .43 | 66.9 | 66.9 | .43 |
| 63 | 90.1 | 80.8 | .22 | 73.7 | 73.7 | .36 | 60.8 | 60.8 | .58 | 59.0 | 59.0 | .82 | 65.3 | 65.3 | .23 | 67.1 | 67.1 | .41 |
| 62 | 88.7 | 79.6 | .33 | 72.2 | 72.2 | .41 | 59.2 | 59.2 | .39 | 57.8 | 57.8 | .61 | 64.1 | 64.1 | .50 | 65.0 | 65.0 | .32 |
| 61 | 87.4 | 78.3 | .30 | 71.2 | 71.2 | .45 | 58.3 | 58.3 | .65 | 56.6 | 56.6 | .49 | 63.8 | 63.8 | .35 | 71.0 | 71.0 | .35 |
| 60 | 85.0 | 77.1 | .29 | 70.2 | 70.2 | .45 | 57.1 | 57.1 | .69 | 55.3 | 55.3 | .69 | 61.4 | 61.4 | .54 | 69.6 | 69.6 | .37 |
| 59 | 84.6 | 75.9 | .29 | 69.2 | 69.2 | .46 | 56.9 | 56.9 | .72 | 54.1 | 54.1 | .72 | 60.0 | 60.0 | .59 | 68.2 | 68.2 | .39 |
| 58 | 83.3 | 74.7 | .26 | 68.2 | 68.2 | .51 | 55.7 | 55.7 | .75 | 52.9 | 52.9 | .93 | 58.7 | 58.7 | .61 | 66.4 | 66.4 | .26 |
| 57 | 81.9 | 73.5 | .23 | 67.2 | 67.2 | .50 | 54.4 | 54.4 | .82 | 51.7 | 51.7 | .97 | 57.3 | 57.3 | .77 | 65.5 | 65.5 | .46 |
| 56 | 80.5 | 72.3 | .25 | 66.2 | 66.2 | .52 | 53.3 | 53.3 | .83 | 50.5 | 50.5 | .82 | 56.3 | 56.3 | .55 | 64.1 | 64.1 | .50 |
| 55 | 79.2 | 71.1 | .24 | 65.2 | 65.2 | .56 | 52.3 | 52.3 | .65 | 49.3 | 49.3 | .83 | 54.3 | 54.3 | .61 | 62.6 | 62.6 | .46 |
| 54 | 77.8 | 69.9 | .26 | 64.2 | 64.2 | .58 | 51.3 | 51.3 | .69 | 48.3 | 48.3 | .82 | 52.8 | 52.8 | .49 | 61.4 | 61.4 | .54 |
| 53 | 76.4 | 68.7 | .26 | 63.2 | 63.2 | .59 | 50.3 | 50.3 | .72 | 47.4 | 47.4 | .89 | 51.3 | 51.3 | .72 | 60.0 | 60.0 | .59 |
| 52 | 75.1 | 67.5 | .35 | 62.2 | 62.2 | .60 | 46.9 | 46.9 | .93 | 45.4 | 45.4 | .94 | 50.3 | 50.3 | .75 | 58.7 | 58.7 | .61 |
| 51 | 73.7 | 66.3 | .38 | 61.2 | 61.2 | .65 | 44.4 | 44.4 | .94 | 43.4 | 43.4 | .97 | 49.3 | 49.3 | .77 | 57.3 | 57.3 | .66 |
| 50 | 72.3 | 65.0 | .39 | 60.2 | 60.2 | .68 | 43.4 | 43.4 | .97 | 42.4 | 42.4 | 1.01 | 48.3 | 48.3 | .82 | 55.9 | 55.9 | .70 |
| 49 | 71.0 | 63.8 | .44 | 59.2 | 59.2 | .70 | 42.4 | 42.4 | 1.04 | 41.4 | 41.4 | 1.04 | 47.4 | 47.4 | .83 | 54.6 | 54.6 | .70 |
| 48 | 69.6 | 62.6 | .46 | 58.3 | 58.3 | .74 | 41.4 | 41.4 | 1.09 | 40.4 | 40.4 | 1.09 | 46.4 | 46.4 | .89 | 53.2 | 53.2 | .73 |
| 47 | 68.2 | 61.4 | .49 | 57.3 | 57.3 | .75 | 40.4 | 40.4 | 1.14 | 39.4 | 39.4 | 1.14 | 45.4 | 45.4 | .93 | 51.8 | 51.8 | .78 |
| 46 | 66.9 | 60.2 | .43 | 56.3 | 56.3 | .75 | 39.4 | 39.4 | 1.16 | 38.5 | 38.5 | 1.16 | 44.4 | 44.4 | .94 | 50.4 | 50.4 | .83 |
| 45 | 65.5 | 59.0 | .46 | 55.3 | 55.3 | .82 | 38.5 | 38.5 | 1.19 | 37.5 | 37.5 | 1.19 | 43.4 | 43.4 | .97 | 49.1 | 49.1 | .86 |
| 44 | 64.1 | 57.8 | .50 | 54.3 | 54.3 | .83 | 37.5 | 37.5 | 1.21 | 36.5 | 36.5 | 1.21 | 42.4 | 42.4 | 1.01 | 47.7 | 47.7 | .88 |
| 43 | 62.8 | 56.6 | .49 | 53.3 | 53.3 | .87 | 36.5 | 36.5 | 1.24 | 35.5 | 35.5 | 1.24 | 41.4 | 41.4 | 1.04 | 46.3 | 46.3 | .95 |
| 42 | 61.4 | 55.3 | .54 | 52.3 | 52.3 | .91 | 35.5 | 35.5 | 1.27 | 34.8 | 34.8 | 1.27 | 40.4 | 40.4 | 1.09 | 45.0 | 45.0 | .97 |
| 41 | 60.0 | 54.1 | .59 | 51.3 | 51.3 | .93 | 34.8 | 34.8 | 1.31 | 34.0 | 34.0 | 1.31 | 39.4 | 39.4 | 1.14 | 43.6 | 43.6 | 1.01 |
| 40 | 58.7 | 52.9 | .61 | 50.3 | 50.3 | .93 | 33.5 | 33.5 | 1.36 | 33.5 | 33.5 | 1.36 | 38.5 | 38.5 | 1.16 | 42.2 | 42.2 | 1.05 |
| 39 | 57.3 | 51.7 | .66 | 49.3 | 49.3 | .97 | 32.5 | 32.5 | 1.38 | 32.5 | 32.5 | 1.38 | 37.5 | 37.5 | 1.19 | 40.9 | 40.9 | 1.04 |
| 38 | 55.9 | 50.5 | .70 | 48.3 | 48.3 | 1.01 | 31.5 | 31.5 | 1.41 | 31.5 | 31.5 | 1.41 | 36.5 | 36.5 | 1.21 | 39.5 | 39.5 | 1.10 |
| 37 | 54.6 | 49.3 | .73 | 47.4 | 47.4 | 1.03 | 30.7 | 30.7 | 1.44 | 30.7 | 30.7 | 1.44 | 35.5 | 35.5 | 1.27 | 38.1 | 38.1 | 1.14 |
| 36 | 53.2 | 48.1 | .78 | 46.4 | 46.4 | 1.06 | 29.7 | 29.7 | 1.47 | 29.7 | 29.7 | 1.47 | 34.8 | 34.8 | 1.31 | 36.8 | 36.8 | 1.27 |
| 35 | 51.8 | 46.9 | .83 | 45.4 | 45.4 | 1.09 | 28.7 | 28.7 | 1.50 | 28.7 | 28.7 | 1.50 | 33.8 | 33.8 | 1.36 | 35.5 | 35.5 | 1.38 |
| 34 | 50.4 | 45.7 | .86 | 44.4 | 44.4 | 1.11 | 27.7 | 27.7 | 1.54 | 27.7 | 27.7 | 1.54 | 32.8 | 32.8 | 1.41 | 34.5 | 34.5 | 1.44 |
| 33 | 49.1 | 44.5 | .88 | 43.4 | 43.4 | 1.13 | 26.7 | 26.7 | 1.58 | 26.7 | 26.7 | 1.58 | 31.8 | 31.8 | 1.47 | 33.5 | 33.5 | 1.47 |
| 32 | 47.7 | 43.3 | .95 | 42.4 | 42.4 | 1.19 | 25.7 | 25.7 | 1.61 | 25.7 | 25.7 | 1.61 | 30.8 | 30.8 | 1.50 | 32.5 | 32.5 | 1.50 |
| 31 | 46.3 | 42.1 | .95 | 41.4 | 41.4 | 1.21 | 24.7 | 24.7 | 1.65 | 24.7 | 24.7 | 1.65 | 29.8 | 29.8 | 1.54 | 31.5 | 31.5 | 1.54 |
| 30 | 45.0 | 40.9 | .97 | 40.4 | 40.4 | 1.24 | 23.7 | 23.7 | 1.69 | 23.7 | 23.7 | 1.69 | 28.8 | 28.8 | 1.58 | 30.5 | 30.5 | 1.58 |
| 29 | 43.6 | 39.7 | 1.01 | 39.4 | 39.4 | 1.27 | 22.7 | 22.7 | 1.72 | 22.7 | 22.7 | 1.72 | 27.8 | 27.8 | 1.61 | 29.5 | 29.5 | 1.61 |
| 28 | 42.2 | 38.5 | 1.05 | 38.5 | 38.5 | 1.27 | 21.7 | 21.7 | 1.75 | 21.7 | 21.7 | 1.75 | 26.8 | 26.8 | 1.65 | 28.5 | 28.5 | 1.65 |
| 27 | 40.9 | 37.3 | 1.04 | 37.5 | 37.5 | 1.31 | 20.7 | 20.7 | 1.78 | 20.7 | 20.7 | 1.78 | 25.8 | 25.8 | 1.69 | 27.5 | 27.5 | 1.69 |
| 26 | 39.5 | 36.1 | 1.10 | 36.5 | 36.5 | 1.36 | 19.7 | 19.7 | 1.81 | 19.7 | 19.7 | 1.81 | 24.8 | 24.8 | 1.72 | 26.5 | 26.5 | 1.72 |
| 25 | 38.1 | 34.8 | 1.14 | 35.5 | 35.5 | 1.38 | 18.7 | 18.7 | 1.84 | 18.7 | 18.7 | 1.84 | 23.8 | 23.8 | 1.75 | 25.5 | 25.5 | 1.75 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

AVERAGE OF PROCEDURES 1 AND 2, LINEAR

| RAI SCORE | CAT (70 ED.) LEVEL 3 FORM A | | | CTRS (68 ED.) LEVEL 2 FORM Q | | | ITBS (71 ED.) LEVEL 10 FORM 5 | | | STEP-II (69 ED.) LEVEL 4 FORM A | | | SRA (71 ED.) BLUE FORM E | | | SAT (64 ED.) INTERMEDIATE I FORM W | | |
|-----------|-----------------------------------|------------|-------|------------------------------------|------------|-------|-------------------------------------|------------|-------|---------------------------------------|------------|-------|--------------------------------|------------|-------|--|------------|-------|
| | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR | TOTAL READING | MAT EQUIV. | ERROR |
| 24 | 46.8 | 1.17 | 33.6 | 1.29 | 1.41 | 46.6 | .70 | 37.8 | 1.44 | 1.27 | 25.5 | 1.39 | | | | | | |
| 23 | 35.4 | 1.20 | 32.4 | 1.33 | 1.44 | 45.2 | .77 | 29.8 | 1.47 | 1.28 | 34.4 | 1.42 | | | | | | |
| 22 | 34.0 | 1.22 | 31.2 | 1.37 | 1.48 | 45.1 | .79 | 35.5 | 1.52 | 1.34 | 33.2 | 1.47 | | | | | | |
| 21 | 32.7 | 1.26 | 30.0 | 1.39 | 1.52 | 43.3 | .84 | 34.4 | 1.54 | 1.36 | 32.1 | 1.49 | | | | | | |
| 20 | 31.3 | 1.31 | 28.8 | 1.43 | 1.54 | 41.4 | .93 | 33.2 | 1.55 | 1.41 | 30.9 | 1.54 | | | | | | |
| 19 | 29.9 | 1.35 | 27.6 | 1.49 | 1.55 | 39.6 | .96 | 32.1 | 1.60 | 1.43 | 29.8 | 1.57 | | | | | | |
| 18 | 28.6 | 1.38 | 26.4 | 1.51 | 1.60 | 37.8 | 1.00 | 30.9 | 1.62 | 1.44 | 28.6 | 1.60 | | | | | | |
| 17 | 27.2 | 1.40 | 25.1 | 1.54 | 1.62 | 35.0 | 1.04 | 29.8 | 1.64 | 1.47 | 27.5 | 1.63 | | | | | | |
| 16 | 25.9 | 1.43 | 23.9 | 1.57 | 1.64 | 34.1 | 1.12 | 28.6 | 1.69 | 1.52 | 26.4 | 1.66 | | | | | | |
| 15 | 24.5 | 1.47 | 22.7 | 1.60 | 1.69 | 32.3 | 1.13 | 27.5 | 1.70 | 1.56 | 25.2 | 1.70 | | | | | | |
| 14 | 23.1 | 1.50 | 21.5 | 1.67 | 1.70 | 30.5 | 1.17 | 26.3 | 1.73 | 1.60 | 24.1 | 1.77 | | | | | | |
| 13 | 21.8 | 1.54 | 20.3 | 1.69 | 1.73 | 28.7 | 1.20 | 25.1 | 1.77 | 1.65 | 22.9 | 1.81 | | | | | | |
| 12 | 20.4 | 1.57 | 19.1 | 1.71 | 1.77 | 26.8 | 1.28 | 24.0 | 1.78 | 1.66 | 21.7 | 1.83 | | | | | | |
| 11 | 19.0 | 1.60 | 17.9 | 1.76 | 1.78 | 25.0 | 1.33 | 22.8 | 1.83 | 1.69 | 20.6 | 1.87 | | | | | | |
| 10 | 17.7 | 1.63 | 16.7 | 1.75 | 1.83 | 23.2 | 1.36 | 21.7 | 1.87 | 1.71 | 19.5 | 1.91 | | | | | | |
| 9 | 16.3 | 1.68 | 15.5 | 1.82 | 1.87 | 21.3 | 1.43 | 20.5 | 1.91 | 1.77 | 18.3 | 1.91 | | | | | | |
| 8 | 14.9 | 1.73 | 14.3 | 1.85 | 1.91 | 19.5 | 1.49 | 19.4 | 1.92 | 1.80 | 17.2 | 1.94 | | | | | | |
| 7 | 13.6 | 1.77 | 13.1 | 1.90 | 1.92 | 17.7 | 1.51 | 18.2 | 1.96 | 1.83 | 16.0 | 2.00 | | | | | | |
| 6 | 12.2 | 1.77 | 11.8 | 1.94 | 1.96 | 15.9 | 1.54 | 17.1 | 1.99 | 1.87 | 14.9 | 2.03 | | | | | | |
| 5 | 10.8 | 1.84 | 10.6 | 1.96 | 1.99 | 14.0 | 1.60 | 15.9 | 2.00 | 1.89 | 13.7 | 2.10 | | | | | | |
| 4 | 9.5 | 1.87 | 9.4 | 1.98 | 2.00 | 12.2 | 1.63 | 14.7 | 2.04 | 1.93 | 12.6 | 2.12 | | | | | | |
| 3 | 8.1 | 1.90 | 9.2 | 2.06 | 2.04 | 10.4 | 1.67 | 13.6 | 2.09 | 1.96 | 11.4 | 2.16 | | | | | | |
| 2 | 5.7 | 1.94 | 7.0 | 2.08 | 2.09 | 8.5 | 1.74 | 12.4 | 2.10 | 2.01 | 10.3 | 2.18 | | | | | | |
| 1 | 5.4 | 1.96 | 5.8 | 2.10 | 2.10 | 6.7 | 1.79 | 11.3 | 2.11 | 2.03 | 9.1 | 2.23 | | | | | | |
| 0 | 4.0 | 2.01 | 4.6 | 2.15 | 2.11 | 4.9 | 1.82 | 10.1 | 2.11 | 2.08 | 8.0 | 2.28 | | | | | | |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE

| RA4 SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM 2 | | ITBS (71 ED.) LEVEL 0 FORM 5 | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM W | |
|-----------|-----------------------------------|-------|------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR | TOTAL READING | ERROR |
| 65 | 85.2 | .16 | 82.3 | .22 | 77.0 | .30 | 95.2 | .15 | 72.8 | .22 | 82.3 | .22 |
| 64 | 85.4 | .14 | 81.5 | .23 | 76.4 | .29 | 94.6 | .20 | 72.8 | .22 | 81.7 | .24 |
| 63 | 85.9 | .16 | 80.6 | .26 | 75.8 | .30 | 93.3 | .16 | 71.7 | .24 | 81.1 | .24 |
| 62 | 85.3 | .16 | 79.8 | .27 | 75.1 | .33 | 92.0 | .18 | 70.3 | .23 | 80.5 | .24 |
| 61 | 84.7 | .15 | 78.9 | .29 | 74.4 | .34 | 91.2 | .19 | 69.6 | .27 | 79.8 | .25 |
| 60 | 84.1 | .15 | 78.1 | .29 | 73.8 | .38 | 90.4 | .22 | 68.8 | .27 | 78.1 | .25 |
| 59 | 83.5 | .15 | 77.2 | .30 | 73.1 | .39 | 89.7 | .21 | 68.0 | .25 | 77.4 | .27 |
| 58 | 82.8 | .19 | 76.2 | .33 | 72.4 | .41 | 88.2 | .17 | 67.2 | .23 | 76.6 | .24 |
| 57 | 82.1 | .18 | 75.3 | .36 | 71.7 | .41 | 87.4 | .11 | 66.4 | .21 | 75.3 | .30 |
| 56 | 81.4 | .23 | 74.3 | .41 | 71.0 | .44 | 86.7 | .09 | 65.5 | .20 | 74.5 | .45 |
| 55 | 80.5 | .23 | 73.4 | .42 | 70.3 | .48 | 85.9 | .05 | 64.6 | .19 | 73.7 | .47 |
| 54 | 79.7 | .23 | 72.3 | .40 | 69.6 | .50 | 84.8 | .09 | 63.8 | .14 | 72.9 | .50 |
| 53 | 78.8 | .29 | 71.3 | .44 | 68.8 | .51 | 83.9 | .17 | 63.0 | .10 | 72.1 | .53 |
| 52 | 77.9 | .27 | 70.3 | .50 | 68.0 | .55 | 82.7 | .21 | 62.2 | .09 | 71.6 | .54 |
| 51 | 76.9 | .28 | 69.3 | .51 | 67.2 | .55 | 81.8 | .14 | 61.4 | .07 | 70.8 | .54 |
| 50 | 75.9 | .32 | 68.2 | .47 | 66.4 | .58 | 80.8 | .13 | 60.8 | .07 | 69.8 | .53 |
| 49 | 74.9 | .35 | 67.2 | .49 | 65.5 | .60 | 79.7 | .37 | 60.2 | .37 | 68.8 | .53 |
| 48 | 73.8 | .39 | 66.1 | .50 | 64.6 | .56 | 78.6 | .21 | 59.8 | .46 | 67.8 | .54 |
| 47 | 72.7 | .43 | 64.9 | .50 | 63.7 | .55 | 77.4 | .23 | 58.6 | .41 | 66.8 | .54 |
| 46 | 71.5 | .43 | 63.6 | .45 | 62.7 | .55 | 76.0 | .27 | 57.4 | .39 | 65.8 | .54 |
| 45 | 70.3 | .47 | 62.3 | .40 | 61.7 | .54 | 74.6 | .28 | 56.2 | .35 | 64.8 | .54 |
| 44 | 69.1 | .46 | 61.1 | .40 | 60.8 | .51 | 73.2 | .30 | 54.9 | .36 | 63.8 | .54 |
| 43 | 67.7 | .47 | 59.8 | .36 | 59.8 | .46 | 71.8 | .33 | 53.6 | .42 | 62.8 | .54 |
| 42 | 66.3 | .47 | 58.6 | .36 | 58.8 | .41 | 70.6 | .36 | 52.2 | .45 | 61.8 | .54 |
| 41 | 64.8 | .48 | 57.4 | .36 | 57.8 | .39 | 69.4 | .41 | 50.8 | .54 | 60.8 | .54 |
| 40 | 63.3 | .45 | 56.2 | .35 | 56.7 | .37 | 68.2 | .44 | 49.5 | .57 | 59.8 | .54 |
| 39 | 61.7 | .45 | 54.9 | .36 | 55.5 | .47 | 67.0 | .48 | 47.8 | .85 | 58.8 | .54 |
| 38 | 60.2 | .44 | 53.6 | .46 | 54.1 | .52 | 65.8 | .52 | 46.3 | .62 | 57.8 | .54 |
| 37 | 58.6 | .48 | 52.2 | .52 | 52.5 | .57 | 64.6 | .54 | 44.0 | .62 | 56.8 | .54 |
| 36 | 56.9 | .55 | 50.8 | .54 | 51.1 | .64 | 63.4 | .56 | 41.8 | .69 | 55.8 | .54 |
| 35 | 55.1 | .71 | 49.5 | .57 | 49.5 | .73 | 62.2 | .60 | 39.6 | .86 | 54.8 | .54 |
| 34 | 53.4 | .76 | 47.9 | .62 | 47.8 | .85 | 61.0 | .63 | 37.7 | 1.03 | 53.8 | .54 |
| 33 | 51.5 | .84 | 46.3 | .62 | 46.0 | .99 | 60.2 | .65 | 35.1 | 1.15 | 52.8 | .54 |
| 32 | 49.4 | .95 | 44.7 | .62 | 44.0 | 1.10 | 58.8 | .71 | 32.8 | 1.24 | 51.8 | .54 |
| 31 | 47.4 | .98 | 43.0 | .69 | 41.8 | .21 | 57.6 | .73 | 30.4 | 1.34 | 50.8 | .54 |
| 30 | 45.3 | 1.10 | 41.2 | .86 | 39.6 | 1.29 | 56.4 | .75 | 28.4 | 1.28 | 49.8 | .54 |
| 29 | 43.2 | 1.24 | 39.5 | 1.03 | 37.6 | 1.35 | 55.2 | .77 | 26.4 | 1.06 | 48.8 | .54 |
| 28 | 41.2 | 1.35 | 37.7 | 1.15 | 35.1 | 1.38 | 54.0 | .79 | 24.4 | 1.13 | 47.8 | .54 |
| 27 | 39.2 | 1.42 | 36.0 | 1.24 | 32.8 | 1.37 | 52.8 | .81 | 22.4 | 1.06 | 46.8 | .54 |
| 26 | 37.3 | 1.42 | 34.2 | 1.34 | 30.4 | 1.27 | 51.6 | .83 | 20.4 | 1.06 | 45.8 | .54 |
| 25 | 35.3 | 1.47 | 32.4 | 1.28 | 28.4 | 1.15 | 50.4 | .85 | 18.4 | 1.13 | 44.8 | .54 |

ESTIMATES OF ERROR IN EQUATING THE TOTAL READING TESTS TO THE MAT (70 ED.) ELEMENTARY, FORM F, TOTAL READING TEST

AVERAGE OF PROCEDURES 1 AND 2, EQUIPERCENTILE

| RAW SCORE | CAT (70 ED.) LEVEL 3 FORM A | | CTBS (68 ED.) LEVEL 2 FORM Q | | ITBS (71 ED.) LEVEL 1 FORM S | | STEP-II (69 ED.) LEVEL 4 FORM A | | SRA (71 ED.) BLUE FORM E | | SAT (64 ED.) INTERMEDIATE I FORM M | |
|-----------|-----------------------------------|-------|------------------------------------|-------|------------------------------------|-------|---------------------------------------|-------|--------------------------------|-------|--|-------|
| | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR | MAT EQUIV. | ERROR |
| 24 | 33.4 | 1.43 | 30.7 | 1.23 | 26.6 | 1.00 | 51.4 | .63 | 3.1 | 1.19 | 19.0 | 1.53 |
| 23 | 31.4 | 1.35 | 28.9 | 1.16 | 24.9 | .97 | 43.4 | .62 | 21.9 | 1.18 | 23.4 | 1.54 |
| 22 | 29.5 | 1.25 | 27.4 | 1.01 | 23.1 | .97 | 45.5 | .63 | 29.6 | 1.18 | 20.9 | 1.39 |
| 21 | 27.9 | 1.17 | 25.8 | .92 | 21.7 | .97 | 42.6 | .68 | 27.7 | 1.14 | 25.2 | 1.40 |
| 20 | 26.3 | 1.04 | 24.2 | .84 | 20.4 | .92 | 39.9 | .75 | 25.8 | 1.08 | 23.7 | 1.35 |
| 19 | 24.7 | .95 | 22.5 | .89 | 19.2 | .82 | 37.1 | .81 | 23.9 | 1.07 | 22.2 | 1.37 |
| 18 | 23.0 | .95 | 21.0 | .93 | 19.1 | .85 | 34.4 | .85 | 22.2 | 1.16 | 20.9 | 1.42 |
| 17 | 21.4 | .95 | 19.6 | .89 | 17.0 | .91 | 31.7 | .94 | 21.0 | 1.22 | 19.8 | 1.33 |
| 16 | 20.1 | .76 | 18.4 | .83 | 16.1 | .93 | 29.0 | 1.03 | 19.3 | 1.05 | 17.8 | 1.27 |
| 15 | 18.8 | .68 | 17.1 | .90 | 15.2 | 1.10 | 26.9 | .96 | 18.7 | .94 | 16.7 | 1.13 |
| 14 | 17.5 | .68 | 15.9 | .97 | 14.5 | 1.20 | 24.7 | .94 | 17.5 | .95 | 17.2 | 1.23 |
| 13 | 15.8 | .77 | 14.7 | 1.11 | 13.8 | 1.25 | 22.7 | .96 | 16.2 | .89 | 15.4 | 1.21 |
| 12 | 14.3 | .83 | 13.9 | 1.14 | 13.0 | 1.40 | 21.0 | 1.00 | 15.1 | .95 | 15.6 | 1.35 |
| 11 | 13.3 | .92 | 13.1 | 1.28 | 12.3 | 1.53 | 19.5 | .89 | 14.0 | .92 | 14.8 | 1.43 |
| 10 | 12.2 | 1.15 | 12.4 | 1.50 | 11.6 | 1.71 | 17.7 | .84 | 13.1 | .73 | 13.9 | 1.54 |
| 9 | 11.1 | 1.41 | 11.6 | 1.72 | 10.9 | 1.95 | 15.1 | .97 | 12.2 | .65 | 13.0 | 1.59 |
| 8 | 10.1 | 1.76 | 10.9 | 2.00 | 10.2 | 2.19 | 14.2 | .99 | 11.4 | .58 | 12.1 | 1.57 |
| 7 | 9.0 | 2.07 | 10.1 | 2.25 | 9.5 | 2.49 | 12.8 | .82 | 10.5 | .55 | 11.2 | 1.50 |
| 6 | 7.9 | 2.39 | 9.4 | 2.61 | 9.7 | 2.56 | 11.3 | .78 | 9.6 | .53 | 10.3 | 1.24 |
| 5 | 6.9 | 2.74 | 8.6 | 2.87 | 8.0 | 2.65 | 9.8 | .80 | 9.0 | .59 | 9.5 | 1.35 |
| 4 | 5.8 | 2.93 | 7.9 | 3.08 | 7.3 | 2.90 | 8.4 | .85 | 7.9 | .75 | 7.6 | 1.46 |
| 3 | 4.7 | 2.61 | 7.1 | 3.23 | 6.6 | 2.94 | 6.9 | .95 | 7.0 | .85 | 7.7 | 1.40 |
| 2 | 3.6 | 2.15 | 6.3 | 3.19 | 5.9 | 2.94 | 5.4 | 1.04 | 6.1 | .94 | 6.9 | 1.99 |
| 1 | 2.7 | 1.83 | 5.5 | 3.03 | 5.2 | 2.87 | 3.9 | 1.05 | 5.2 | 1.09 | 6.0 | 2.07 |
| 0 | 2.3 | 1.77 | 4.8 | 2.78 | 4.4 | 2.70 | 2.5 | .83 | 4.4 | 1.12 | 5.1 | 1.95 |



List of Tables of Correlations

Grade 4

Table Numbers

Reading Vocabulary Subtests

| | |
|---|-----|
| Observed Correlations | 655 |
| Averaged Correlations | 656 |
| Correlations Corrected for Attenuation | 657 |
| Averaged Correlations Corrected for Attenuation | 658 |

Reading Comprehension Subtests

| | |
|---|-----|
| Observed Correlations | 659 |
| Averaged Correlations | 660 |
| Correlations Corrected for Attenuation | 661 |
| Averaged Correlations Corrected for Attenuation | 662 |

Total Reading Tests

| | |
|---|-----|
| Observed Correlations | 663 |
| Averaged Correlations | 664 |
| Correlations Corrected for Attenuation | 665 |
| Averaged Correlations Corrected for Attenuation | 666 |

ANCHOR TEST STUDY

Table 655: Observed Correlations for Reading Vocabulary Subtests
at Grade 4

Test Administered Second

| | | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
|-------------------------|---------|-------|-------|-------|-------|---------|-------|-------|
| Test Administered First | CAT | .8732 | .8287 | .8292 | .8414 | .7847 | .8556 | .8718 |
| | CTBS | .8813 | .8808 | .8100 | .8852 | .8429 | .8457 | .8516 |
| | ITBS | .8408 | .8638 | .8686 | .8272 | .8221 | .8889 | .8453 |
| | MAT | .8545 | .8579 | .8790 | .8845 | .8085 | .8084 | .8733 |
| | STEP II | .8103 | .8672 | .8110 | .8760 | .7997 | .8147 | .7966 |
| | SRA | .8434 | .8027 | .8411 | .8212 | .7968 | .8901 | .8739 |
| | SAT | .8790 | .8824 | .8940 | .8320 | .8709 | .8676 | .8628 |
| | | .8235 | .8509 | .8378 | .8265 | .8218 | .8605 | .7751 |

ANCHOR TEST STUDY

Table 656: Observed Correlations for Reading Vocabulary Subtests
at Grade 4 Averaged* over Orders of Administration

| | Test Administered Second | | | | | | |
|--------------------------------|--------------------------|--------|--------|--------|---------|--------|--------|
| | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| Test Administered First CAT | 0.8773 | 0.8390 | 0.8423 | 0.8265 | 0.8161 | 0.8678 | 0.8495 |
| CTBS | | 0.8726 | 0.8355 | 0.8765 | 0.8233 | 0.8652 | 0.8513 |
| ITBS | | | 0.8734 | 0.8193 | 0.8319 | 0.8915 | 0.8416 |
| MAT | | | | 0.8804 | 0.8149 | 0.8206 | 0.8249 |
| STEP II | | | | | 0.7983 | 0.8451 | 0.8095 |
| SRA | | | | | | 0.8793 | 0.8674 |
| SAT | | | | | | | 0.8238 |

* Using Fisher's z transformation

ANCHOR TEST STUDY

Table 657: Correlations for Reading Vocabulary Subtests
at Grade 4 Corrected for Attenuation

| | Test Administered Second | | | | | | |
|---------|--------------------------|--------|--------|--------|---------|--------|--------|
| | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| CAT | | 0.9471 | 0.9473 | 0.9574 | 0.9376 | 0.9741 | 1.0000 |
| CTBS | 0.9702 | | 0.9278 | 1.0000 | 1.0000 | 0.9655 | 1.0000 |
| ITBS | 0.9762 | 0.9827 | | 0.9434 | 0.9846 | 1.0000 | 0.9965 |
| MAT | 0.9220 | 0.9895 | 0.9249 | | 0.9644 | 0.9188 | 0.9667 |
| STEP II | 1.0000 | 0.9618 | 1.0000 | 0.9795 | | 0.9724 | 0.9823 |
| SRA | 1.0000 | 1.0000 | 1.0000 | 0.9456 | 1.0000 | | 1.0000 |
| SAT | 0.9690 | 1.0000 | 0.9877 | 0.9705 | 1.0000 | 1.0000 | |

Test Administered First

ANCHOR TEST STUDY

Table 658: Averaged Correlations for Reading Vocabulary Subtests
at Grade 4 Corrected for Attenuation

| Test Administered First | Test Administered Second | | | | | | |
|-------------------------|--------------------------|--------|--------|--------|---------|--------|--------|
| | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| CAT | | 0.9590 | 0.9622 | 0.9404 | 0.9752 | 0.9880 | 0.9993 |
| CTBS | | | 0.9571 | 1.0000 | 0.9871 | 0.9877 | 1.0000 |
| ITBS | | | | 0.9343 | 0.9963 | 1.0000 | 0.9921 |
| MAT | | | | | 0.9721 | 0.9326 | 0.9686 |
| STEP II | | | | | | 1.0000 | 0.9983 |
| SRA | | | | | | | 1.0000 |
| SAT | | | | | | | |

ANCHOR TEST STUDY

Table 659: Observed Correlations for Reading Comprehension Subtests
at Grade 4

| | | Test Administered Second | | | | | | |
|-------------------------|---------|--------------------------|-------|-------|-------|---------|-------|-------|
| | | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| Test Administered First | CAT | .8294 | .7861 | .7994 | .8151 | .7455 | .7911 | .8367 |
| | CTBS | .8337 | .8745 | .8541 | .8751 | .7983 | .8233 | .8328 |
| | ITBS | .7836 | .8248 | .8729 | .8435 | .7859 | .8600 | .8027 |
| | MAT | .8085 | .8270 | .8828 | .8628 | .7591 | .8144 | .8199 |
| | STEP II | .8160 | .8488 | .8474 | .8592 | .7926 | .8043 | .7933 |
| | SRA | .7772 | .7802 | .7674 | .7558 | .8153 | .8490 | .8176 |
| | SAT | .7855 | .8001 | .8583 | .8180 | .8398 | .8376 | .8443 |
| | | .8037 | .8064 | .8406 | .8455 | .8062 | .8093 | .8422 |

ANCHOR TEST STUDY

Table 660: Observed Correlations for Reading Comprehension Subtests
at Grade 4 Averaged* over Orders of Administration

| | Test Administered Second | | | | | | |
|---------|--------------------------|--------|--------|--------|---------|--------|--------|
| | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| CAT | 0.8316 | 0.7849 | 0.8040 | 0.8175 | 0.7618 | 0.7883 | 0.8209 |
| CTBS | | 0.8550 | 0.8411 | 0.8625 | 0.7894 | 0.8120 | 0.8200 |
| ITBS | | | 0.8779 | 0.8455 | 0.7768 | 0.8591 | 0.8226 |
| MAT | | | | 0.8610 | 0.7574 | 0.8162 | 0.8332 |
| STEP II | | | | | 0.8042 | 0.8228 | 0.7998 |
| SRA | | | | | | 0.8434 | 0.8135 |
| SAT | | | | | | | 0.8433 |

* Using Fisher's z transformation

ANCHOR TEST STUDY

Table 661: Correlations for Reading Comprehension Subtests
at Grade 4 Corrected for Attenuation

| | Test Administered Second | | | | | | |
|--------------------------------|--------------------------|--------|--------|--------|---------|--------|--------|
| | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| Test Administered First CAT | | 0.9317 | 0.9356 | 0.9680 | 0.9116 | 0.9446 | 0.9992 |
| CTBS | 0.9289 | | 0.9853 | 1.0000 | 0.9621 | 0.9690 | 0.9803 |
| ITBS | 0.9462 | 0.9540 | | 0.9702 | 0.9352 | 0.9995 | 0.9330 |
| MAT | 0.9643 | 0.9887 | 0.9747 | | 0.9122 | 0.9557 | 0.9622 |
| STEP II | 0.9504 | 0.9404 | 0.9132 | 0.9082 | | 0.9766 | 0.9633 |
| SRA | 0.9380 | 0.9417 | 0.9974 | 0.9599 | 1.0000 | | 0.9694 |
| SAT | 0.9597 | 0.9492 | 0.9770 | 0.9923 | 0.9789 | 0.9597 | |

ANCHOR TEST STUDY

Table 662: Averaged Correlations for Reading Comprehension Subtests
at Grade 4 Corrected for Attenuation

| Test Administered First | Test Administered Second | | | | | | |
|-------------------------|--------------------------|--------|--------|--------|---------|--------|--------|
| | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| CAT | | 0.9303 | 0.9409 | 0.9661 | 0.9315 | 0.9413 | 0.9802 |
| CTBS | | | 0.9703 | 1.0000 | 0.9515 | 0.9557 | 0.9653 |
| ITBS | | | | 0.9724 | 0.9244 | 0.9984 | 0.9560 |
| MAT | | | | | 0.9102 | 0.9578 | 0.9778 |
| STEP II | | | | | | 0.9991 | 0.9712 |
| SRA | | | | | | | 0.9646 |
| SAT | | | | | | | |

ANCHOR TEST STUDY

Table 663: Observed Correlations for Total Reading Tests
at Grade 4

| | | Test Administered Second | | | | | | |
|-------------------------|---------|--------------------------|-------|-------|-------|---------|-------|-------|
| | | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| Test Administered First | CAT | .9092 | .8751 | .8757 | .8949 | .8648 | .8913 | .9154 |
| | CTBS | .9131 | .9256 | .8986 | .9312 | .8985 | .8956 | .8950 |
| | ITBS | .8964 | .8737 | .9223 | .8872 | .8817 | .9307 | .8837 |
| | MAT | .8774 | .9129 | .8737 | .9225 | .8555 | .8595 | .8702 |
| | STEP II | .8945 | .8753 | .8876 | .8575 | .8830 | .8896 | .8861 |
| | SRA | .9013 | .9040 | .9287 | .8790 | .9192 | .9197 | .9066 |
| | SAT | .8917 | .8865 | .8909 | .8720 | .8959 | .8977 | .9040 |
| | | | | .9276 | .9190 | .8891 | .9091 | .8687 |

ANCHOR TEST STUDY

Table 664: Observed Correlations for Total Reading Tests
at Grade 4 Averaged* over Orders of Administration

Test Administered First

| | Test Administered Second | | | | | | |
|---------|--------------------------|--------|--------|--------|---------|--------|--------|
| | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| CAT | 0.9112 | 0.8827 | 0.8865 | 0.8865 | 0.8806 | 0.8964 | 0.9042 |
| CTBS | | 0.9207 | 0.8960 | 0.9225 | 0.8875 | 0.8999 | 0.9008 |
| ITBS | | | 0.9250 | 0.8807 | 0.8847 | 0.9297 | 0.8873 |
| MAT | | | | 0.9208 | 0.8565 | 0.8695 | 0.9816 |
| STEP II | | | | | 0.8861 | 0.9055 | 0.8911 |
| SRA | | | | | | 0.9145 | 0.9022 |
| SAT | | | | | | | 0.8876 |

* Using Fisher's z transformation

ANCHOR TEST STUDY

Table 665: Correlations for Total Reading Tests
at Grade 4 Corrected for Attenuation

| | Test Administered Second | | | | | | |
|---------|--------------------------|--------|--------|--------|---------|--------|--------|
| | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| CAT | | 0.9554 | 0.9538 | 0.9770 | 0.9625 | 0.9764 | 1.0000 |
| CTBS | 0.9716 | | 0.9737 | 1.0000 | 0.9948 | 0.9760 | 0.9901 |
| ITBS | 0.9764 | 0.9679 | | 0.9614 | 0.9739 | 1.0000 | 0.9752 |
| MAT | 0.9579 | 0.9915 | 0.9467 | | 0.9471 | 0.9366 | 0.9625 |
| STEP II | 0.9955 | 0.9691 | 0.9804 | 0.9494 | | 0.9883 | 0.9991 |
| SRA | 0.9874 | 0.9852 | 1.0000 | 0.9578 | 1.0000 | | 1.0000 |
| SAT | 0.9915 | 0.9806 | 0.9832 | 0.9867 | 1.0000 | 0.9963 | |

ANCHOR TEST STUDY

Table 666: Averaged Correlations for Total Reading Tests
at Grade 4 Corrected for Attenuation

| Test Administered First | Test Administered Second | | | | | | |
|-------------------------|--------------------------|--------|--------|--------|---------|--------|--------|
| | CAT | CTBS | ITBS | MAT | STEP II | SRA | SAT |
| CAT | | 0.9637 | 0.9656 | 0.9678 | 0.9800 | 0.9820 | 1.0000 |
| CTBS | | | 0.9709 | 1.0000 | 0.9826 | 0.9807 | 0.9854 |
| ITBS | | | | 0.9542 | 0.9772 | 1.0000 | 0.9793 |
| MAT | | | | | 0.9482 | 0.9476 | 0.9751 |
| STEP II | | | | | | 1.0000 | 1.0000 |
| SRA | | | | | | | 1.0000 |
| SAT | | | | | | | |