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ABSTRACT

Presented is a 1981 revision of a pamphlet first published by the National Council of Teachers of Mathematics (NCTM) in 1959. The primary purpose of this pamphlet is to provide a comprehensive listing of mathematics tests available that may assist educators in meeting their evaluation needs. Tests covering mathematics from primary school through the first two years of college are included. Material is subdivided in the following categories: Arithmetic; Junior High School; Batteries and General Listings, K-4; High School, General; Algebra; Geometry; Trigonometry; and College-related. Information for each test listed is given in the following order: Title; Authorship; Grade Levels and Forms; Availability of Norms; Publisher/Distributor; Reference to Additional Information; Original Date of Publication; and Date of latest Revision. The document concludes with a Directory of Publishers/Distributors and a list of references. (MP)

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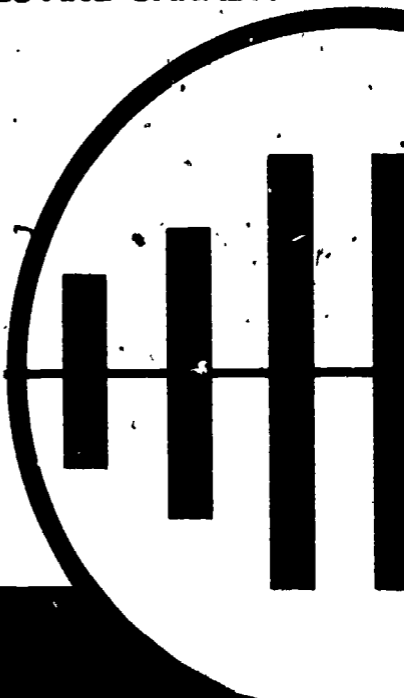
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mathematics tests

AVAILABLE IN THE
UNITED STATES AND CANADA



Compiled by

JAMES S. BRASWELL
Educational Testing Service
Princeton, New Jersey

DOUGLAS T. OWENS
The University of British Columbia
Vancouver, B.C., Canada

with the assistance of
JEAN MacFARLAND
NORMA A. SALT



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Mathematics Tests Available in the United States and Canada

THIS PAMPHLET is a revision of a publication first published by the National Council of Teachers of Mathematics in 1959 and revised in 1976. Several of the tests listed in the 1976 pamphlet are no longer available.

The publication has been expanded to include mathematics tests available in Canada. The Canadian listings are interwoven with the United States listings. Several of the Canadian listings are identical to, or adaptations of, tests published in the United States. The publishers or Canadian distributors of such tests are given.

The primary purpose of this pamphlet is to provide a comprehensive listing of mathematics tests available in the United States and Canada that may assist educators in meeting their evaluation needs. The types of tests included are listed in the Contents. Tests covering mathematics from the primary school through the first two years of college are included. Tests designed for college placement are included in the "College-related" category. This category includes a number of listings that would be appropriate for program evaluation or guidance at the high school or junior high school levels. Although the current listing is intended to be complete, new tests are always being developed. The "Directory of Publishers" on page 29 should be useful in getting information on newly developed tests. Both United States and Canadian publishers are listed.

The listing of a test does not constitute an endorsement by the National Council of Teachers of Mathematics or by ERIC. Teachers and curriculum specialists who are interested in a particular test should request a sample copy from the publisher and examine it carefully for relevance to the particular use intended.

Information on the selection and use of tests is available in the references cited in the final section of this pamphlet. Included in these are the eight volumes of the Mental Measurements Yearbook series, constituting the major reference work on tests, with comprehensive lists and reviews. When a reference is made to this source in the test listing, it appears immediately below the publisher's name with a roman numeral identifying the entry (not the page). Under the APELL Test, for example, "VII, 740" is given after the name of the publisher. This means that a review of, or reference to, this test is found in the seventh yearbook under entry 740.

Information for each test is given in the following order:

Information for each test is given in the following order:

- Title
- Authorship
- Grade levels and forms
- Availability of norms
- Publisher/Distributor
- Reference to additional information
- Original date of publication
- Date of latest revision.

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TESTS

Arithmetic

American School Achievement Tests: Part 2, Arithmetic, Revised Edition

Willis E. Pratt, George A. W. Stauffer, Jr., and
Jan R. Yaguzzi

Grades 2-3, 4-6, 7-9

No norms for average score

Bobbs-Merrill Company

(Previous edition 1955-58 still available)

VIII, 302

1975

None

The APELL test (Premath; Available in Spanish)

Eleanor V. Cochran and James L. Shannon

Ages 3-7

Criterion-referenced and norm-referenced

Edcodyne

VII, 740

1969

1972

Arithmetic (Fundamentals and Reasoning)

Robert K. Speer and Samuel Smith

Grades 3-6; Forms A and B

Norms

Psychometric Associates

Not listed

1939

1958

Arithmetic (Fundamentals and Reasoning)

Robert K. Speer and Samuel Smith

Grades 6-8; Forms A and B

Norms

Psychometric Associates

VI, 613

1938

1960

Basic Arithmetic Skill Evaluation

Lola J. May and Vernon R. Hood

Grades 1-9

Criterion referenced

Media Research Associates

Not given

1972

1978

Basic Educational Skills Inventory: Math

Gary Adamson, Morris Shrago, and Glen Van Etten

Kindergarten-6; One form, Two levels

No norms

B.L. Winch & Associates

VIII, 253

1972-73

None

Basic Skills in Arithmetic

William L. Wrinkle, Juanita Saunders, and Elizabeth H. Kendel

Grades 6-12; Forms A and B

Norms

Science Research Associates, Inc.

III, 335

1945

None

Bobbs-Merrill Arithmetic Achievement Tests

William E. Kline and Harry J. Baker

Grades 1-8; Forms A and B

Norms

Bobbs-Merrill Company

VI, 615; VII, 513

1963

None

Buswell-John Diagnostic Test for the Fundamental Processes in Arithmetic

G.T. Buswell and Lenore John

Grades 2-8; detailed test, individually administered

No norms

Bobbs-Merrill Company

II, 1456; IV, 413

1925

None

Career Planning Program

American College Testing Program Staff

Grades 8-11

Norms

Riverside Publishing Company

Not listed

1974

None

CIRCUS A and B: How Much and How Many

Not given

Nursery school-K.5 (A); K.5-1.5 (B); 1 form

Norms

Educational Testing Service; Published by Addison-Wesley Publishing Co.

VIII, 7A

1972, 1974, 1976

None

CIRCUS C and D; Mathematics

Not given

Grades 1.5-2.5 (C); 2.5-3.5 (D); Forms X and Y

Norms

Educational Testing Service; Published by Addison-Wesley Publishing Co.

Not listed

1979

None

Concept Assessment Kit—Conservation

Marcel L. Goldschimid and Peter M. Bentler

Ages 4-8

Norms

Educational and Industrial Testing Service
Reviewed in *Journal of Educational Measurement* 6 (Winter
1969): 263-69 and in *Professional Psychology* 1 (Fall
1970): 491-93.

1969

None

Cooperative Primary Tests: Mathematics

Not given.

Grades 1.5-2.5, Forms 12A and 12B, grades 2.5-3, Forms
23A and 23B

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co.

VIII, 13, 262

1965

None

Cooperative Mathematics Tests: Arithmetic

Not given

Grades 7-9; Forms A, B, and C

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co.

VI, 607; VII, 515

1962, 1963

None

Diagnosis: An Instructional Aid, Mathematics

Developed by SRA

Grades 1-4, Level A; grades 3-6, Level B

Criterion-referenced, diagnostic and optional survey tests

Science Research Associates, Inc.

No norms

VIII, 263

Level A, 1973

Level B, 1972

Diagnostic Mathematics Inventory

John Gessel

Grades 1.5-8.5, Diagnostic forms in 7 levels;

Interim evaluation tests, 6 levels

Criterion-referenced tests

No norms

California Test Bureau/McGraw-Hill

VIII, 264

1971

1980

Diagnostic Tests and Self-Helps in Arithmetic

Leo J. Brueckner

Grades 3-12 (twenty-three tests for screening basic facts,
whole numbers, fractions, decimals, percent, measure-
ment), and adult

No norms

California Test Bureau/McGraw-Hill

V, 472

1955

None

Dominion Survey Test of Arithmetic Fundamentals

Not specified

Grades 5-8, Forms A and B

Norms
Guidance Centre, Toronto, Canada
V, 488
1958
None

Emporia Primary Arithmetic Test

Patricia Pease and Merritt W. Sanders
Grade 1, Forms 1A and 1B, first semester; Forms IIA and IIB,
second semester

Norms
Emporia State University
VI, 519
1964
None

Emporia Arithmetic Tests, Elementary

Patricia Pease and Merritt W. Sanders
Grades 2-3, Forms IA and IB, first semester, Forms IIA and IIB,
second semester

Norms
Emporia State University
VII, 519
1964
None

Emporia Arithmetic Tests, Intermediate

Ruth Otterstrom and Merritt W. Sanders
Grades 4-6, Forms IA and IB, first semester; Forms IIA and IIB,
second semester

Norms
Emporia State University
VII, 519
1964
None

ERB Modern Arithmetic Test

Frederic Bonan et al.
Grades 5-6; Form B
No norms
Educational Records Bureau
VII, 518
1969, 1970
None

Fountain Valley Teacher Support System in Mathematics

Not given
Grades K-8
No norms
Richard L. Zweig Associates, Inc.
VIII, 270
1972
1974

Individualized Criterion Referenced Testing: Math

Not given
Grades 1-8, Forms A, B
No norms
Educational Development Corporation
VIII, 275-6
1973
1977

Individual Pupil Monitoring System—Mathematics

Not given
Grades 1-8, Forms S and T
No norms
Riverside Publishing Company
VIII, 274
1973
none

Individual Pupil Monitoring System (Mathematics), Canadian Edition

Adapted from IPMS published by Houghton Mifflin Company
Grades 1-6, Form S
No norms, Criterion referenced
Thomas Nelson and Sons (Canada) Ltd
VIII, 274
1974
None

Iowa Test of Basic Skills: Test A, Arithmetic Skills

A. N. Hieronymus and H. D. Hoover, eds.
Grades 3-9; Forms 1-4
Norms
Riverside Publishing Company
V, 16; VI, 13
Forms 1 and 2, 1955; forms 3 and 4, 1971
None

Iowa Tests of Basic Skills: Test M, Mathematics Skills

A. N. Hieronymus and H.D. Hoover
Grades 3-9; Forms 5 and 6
Norms
Riverside Publishing Company
Not listed
1971
None

KeyMath Diagnostic Arithmetic Test

Austin J. Connolly, William Nachtman, and E. Milo Pritchett
Preschool through sixth grade, no upper limit for individual remedial use. One form.
Norms; No norms for Metric Supplement
American Guidance Service
VIII, 305
1971
1976

Mastery: An Evaluation Tool, Mathematics

Developed by SRA
Grades K-9
Criterion-referenced, objective-based, machine-scorable, customized, and catalog tests
No norms
Science Research Associates, Inc
VIII, 278
1974, 1976
None

Mathematics: IOX Objectives-Based Tests

Ira Moskow, Denis Purcell, and Don May
Grades K-9, Forms A, B, Two levels
No norms

Instructional Objectives Exchange

VIII, 279

1973

1976

A Mathematics Test for Grades Four, Five, and Six

Stanley J. Le Jeune

Grades 4-6

Norms

Psychometric Affiliates

VII, 476; VIII, 280

1969

None

Metropolitan Achievement Tests: Primary I and Primary II*

Walter N. Durnst, Harold H. Bixler, J. Wayne Wrightstone,

George A. Prescott, and Irving H. Balow

Primary I, grades 1.5-2.4; Primary II, grades 2.5-3.4

Norms

Harcourt Brace Jovanovich

VII, 14

1970

None

*Note: The mathematics test is not available as a separate test.

SRA Achievement Series: Arithmetic Subtest

Louis P. Thorpe, D. Welty Lefever, and Robert A. Naslund

Grades Primary I, Primary II, and 4-9 (multilevel); Forms

E and F

Norms

Science Research Associates, Inc.

VI, 632; VII, 526

Forms E and F: 4-9 (multilevel), Fall 1971; 1-4 (primary),

Fall 1972

Stanford Early School Achievement Test: Levels I and II*

Richard Madden and Eric F. Gardner

Level I, grades K.1-1.1; Level II, grades 1.1-1.8

Norms

Harcourt Brace Jovanovich

VII, 28

1969, 1970

None

*Note: The mathematics test is not available as a separate test

A Test of Arithmetic Principles, Elementary Form

Ronald C. Welch and Charles W. Edwards, Jr.

Grades 3-6

Indiana University

Ronald C. Welch at Indiana University

1965

None

A Test of Understanding of Selected Properties of a Number System*

Robert A. Ashlock and Ronald C. Welch

K-3

Not available

Bureau of Educational Studies and Testing, Indiana University

Ronald Welch at Indiana University

1968

1975

*Out of print. Copy available from: Office of Communications,
School of Education, Indiana University.

Tests of Achievement in Basic Skills, TABS-MATH, Level A

James C. Young

Grades 3-4, Forms 1 and 2

Norms

Educational and Industrial Testing Service

Not listed

1973

None

Tests of Achievement in Basic Skills: Mathematics

Robert R. Knapp and James C. Young

Preschool-K, 1-12

No norms

Educational and Industrial Testing Service

VIII, 293

1970

1976

Tests of Achievement in Basic Skills, TABS-MATH, Level B

James C. Young

Grades 4-5; Forms A and B

Norms

Educational and Industrial Testing Service

Not listed

1971

None

Tests of Achievement in Basic Skills, TABS-MATH, Level K

James C. Young

Grade Kindergarten, Forms 1 and 2

Norms

Educational and Industrial Testing Service

Not listed

1974

None

Tests of Achievement in Basic Skills, TABS-MATH, Level 1

James C. Young

Grade 1, Forms 1 and 2

Norms

Educational and Industrial Testing Service

Not listed

1974

None

Tests of Achievement in Basic Skills, TABS-MATH, Level 2

James C. Young

Grade 2, Forms 1 and 2

Norms

Educational and Industrial Testing Service

Not listed

1974

None

Tests of Basic Experiences: Mathematics (TOBE 2)

Margaret H. Moss

Pre-Kindergarten-grade 1, One form, Levels K, L

Norms

California Test Bureau/McGraw-Hill

VII, 33; VIII, 294

1970

1978

Watson Diagnostic Math: mathematics Test (Computation)

G. Milton Watson

Grades 1-3 (Primary), 4-6 (Junior), 7-10 (Intermediate,
Form A, B, C)

Norms

Book Society of Canada

TIP 11, 663

1973

1978

Watson Number Readiness Test

G. Milton Watson

Grades K-1

No norms

Book Society of Canada

VII, 529

1963

None

Junior High School

Assessment of Skills in Computation (ASC)

Not given

Junior High School

No norms. Competency-based test

California Test Bureau/McGraw-Hill

Not given

1978

None

Cooperative Mathematics Tests: Structure of the Number System

Not given

Grades 7-8; Forms A and B

Norms

Educational Testing Service; Published by Addison-Wesley
(Publishing Co.)

VI, 655; VII, 466

1962, 1963

None

Diagnostic Test in Mathematics-Level 1

Frances C. Morrison

Grades 8-9, English and French

No norms

Guidance Centre, Toronto, Canada

VIII, 166

1970

None

Emporia Arithmetic Tests, Junior Ist

Ilelen Engleson and Merritt W.

Grades 7-8; Forms IA and IB; first semester; Forms IIA and
IIB, second semester

Norms

Emporia State University

VII, 519

1964

None

Everyday Skills Test (EDST)

Not given
Junior High School
Norm-referenced, criterion-referenced
California Test Bureau/McGraw-Hill
Not given
1975
None

Mathematics Test

Gilbert Ulmer
Junior high school (grades 7-9)
Norms
Riverside Publishing Company
VII, 475,
1969
None

Minimum Essentials for Modern Mathematics

Ernest Hayes
Grades 6-8; Forms P and Q
Norms
Hayes Educational Test Laboratory
VI, 587
1963
1971

Minnesota High School Achievement Examinations: Mathematics

V. L. Lohmann, ed.
Grades 7-9; three forms, one revised each year
Norms
American Guidance Service
VI, 577, 582
1962, 1963
1970, 1971, 1972

National Achievement Tests: General Mathematics

Harry Eisner
Grades 7-9; Forms A and B
Norms
Psychometric Affiliates
Not listed
1942
1960

Portland Prognostic Tests for Mathematics

Ernest Hayes
Grades 6.5-8.0 and 8.5-9.0; Forms A and B
Norms
Hayes Educational Test Laboratory
VI, 588
1960
1971

Tests of Achievement in Basic Skills (Mathematics)

James C. Young and Robert R. Knapp
Grades 7-9; Forms 1 and 2
Criterion referenced
Educational and Industrial Testing Service
Not listed
1971
None

Tests of Achievement in Basic Skills, TABS-MATH Level C

James C. Young

Grades 7-9; Forms A and B

Norms

Educational and Industrial Testing Service

VII, 492

1971

None

Batteries and General Listings, K-14

American Numerical Test

John J. McCarty

Junior high through college

Norms

Psychometric Affiliates

VI, 604

1962

None

Analysis of Skills: Mathematics (ASK-Mathematics)

Oliver F. Anderhalter and STS staff

Grades 1-8

Form A, Levels 12; 23, 34; 45; 56; 67; 78

Criterion-referenced diagnostic test with local and national norms

Scholastic Testing Service, inc.

VIII, 251

1974-76

None

Beckmann-Beal Mathematical Competency Test for Enlightened Citizens

Milton Beckmann and Jack L. Beal

Forms A and B

Criterion referenced

Beckmann-Beal Mathematical Testing Service

Not listed

1973

None

California Achievement Tests, Forms C and D

Not given

Grades K-12 (Levels 10-19)

Norms

California Test Bureau/McGraw-Hill

Not given

1977

1978

California Achievement Tests: Mathematics, 1970 Edition

Ernest W. Tieg and Willis W. Clark

Forms A and B, Levels 1, 2, 3, 4, 5 (grades 1.5-12)

Norms

California Test Bureau/McGraw-Hill

V, 468; VII, 455; VIII, 257

1957

1971

Canadian Tests of Basic Skills, Primary Battery, (Developed from the Iowa Tests of Basic Skills)

A. N. Hieronymus, E. F. Lindquist, and E. M. King
Grades 1.7-3.5, Levels 7 and 8, Form 3 metric
Canadian Norms
Thomas Nelson and Sons (Canada) Ltd.
VII, 11
1976
None

Canadian Tests of Basic Skills, Multilevel Battery, Test M, Mathematics Skills, (Developed from the Iowa Tests of Basic Skills)

A. N. Hieronymus, E. F. Lindquist, and E. M. King
Grades 3-8, Forms 3 and 4 and 3M and 4M (metric)
Canadian Norms
Thomas Nelson and Sons (Canada) Ltd.
VIII, 11
1967, 1974
1976, 3M and 4M

Christofferson-Guiler Analytical Survey

H. S. Christofferson and W. S. Guiler
Grades 7-12, Form 4
Norms
Bobbs-Merrill Company
V, 457
1930
1957

Comprehensive Testing Program

Committee
Grades K-12, Form A, Levels 1-5
Norms
Educational Records Bureau
Not listed
1974
None

Comprehensive Tests of Basic Skills, Español

Not given
Grades K-8.9 (Levels B, C, 1-3)
Norms
California Test Bureau/McGraw-Hill
Not given
1978
None

Comprehensive Tests of Basic Skills, Forms S and T

Not given
Grades K-12 (Levels A-C, 1-4)
Norms
California Test Bureau/McGraw-Hill
Not given
1973
1975

Cornell Class Reasoning Test

Robert H. Ennis, William L. Gardiner, Richard Morrow,
Dieter Paulus, and Lucille Ringel
Grades 4-12, Form X

In Coop Research Project Report 1680, ERIC ED003818
Illinois Rational Thinking Project, Education Building, Uni-
versity of Illinois, Urbana, Illinois 61801

Not listed

1964

None

Cornell Conditional Reasoning Test

Robert H. Ennis, William L. Gardiner, John Guzzetta, Richard
Morrow, Dieter Paulus, and Lucille Ringel

Grades 4-12, Form X

In Coop Research Project Report 1680, ERIC ED003818

Illinois Rational Thinking Project

Not listed

1964

None

Cornell Critical Thinking Test, Level X

Robert H. Ennis and Jason Millman

Grades 7-12

Norms

Illinois Rational Thinking Project

VII, 779

1961

1971

Cornell Critical Thinking Test, Level Z

Robert H. Ennis and Jason Millman

Grades 11-12, College

Norms

Illinois Rational Thinking Project

VII, 779

1961

1971

Diagnostic Screening Test: Math

Thomas D. Gnagey

Grades 1-12, One form

No norms

Facilitation House

VIII, 265

1970

None

Differential Aptitude Tests: Numerical Ability

G. K. Bennett, H. G. Seashore, and A. G. Wesman

Grades 8-12 and adult; One form

Norms, No norms for adults

Psychological Corporation

VII, 673; VIII, 267

1947

1973

Iowa Tests of Basic Skills Primary Battery, Test M. Mathematics Skills

A. N. Hieronymus and H. D. Hoover

Grades 1.7-3.5; Forms 5 and 6

Norms
Riverside Publishing Company
Not listed
1972
None

Lessons for Self-Instruction (LSI)

Not given
Grades 2.5-9 and above
No norms
California Test Bureau/McGraw-Hill
Not given
1963, 1967
1976, 1978

Mathematics Topic Tests—Elementary Series

Frances C. Morrison and Gerald Halpern
Number and Numeration, grades 5-9; Addition and Subtraction with Whole Numbers grades 5-8; Operations with Fractions, grades 5-7; Multiplication and Division with Fractions, grades 6-9; Measurement, Graphs, and Geometry, grades 5-8; Operations with Decimals, grades 5-8
No norms
Guidance Centre, Toronto, Canada
VIII, 282
1974, 1978, 1979
None

Metropolitan Achievement Tests: Mathematics Tests

Irving H. Balow, Harold H. Bixler, Walter N. Durost, George F. Prescott, and J. Wayne Wrightstone
Grades 3.5-9.5, Three forms
Norms
Psychological Corporation
VIII, 283
1932
1973

Metropolitan Achievement Tests: Survey Component—Mathematics Test

Irving H. Balow, Roger Furn, Thomas P. Hogan, and George A. Prescott
Primary, grades K.5-1.4; Primary 1, grades 1.5-2.4;
Primary 2, grades 2.5-3.4; Elementary, grades 3.5-4.9;
Intermediate, grades 5.0-6.9; Advanced 1, grades 7.0-9.9;
Forms JI and KI
Norms
Guidance Centre, Toronto, Canada
Not listed
1978
None

970 Metropolitan Mathematics Tests

Walter N. Durost, Harold H. Bixler, J. Wayne Wrightstone, George A. Prescott, and Irving H. Balow
Elementary, grades 3.5-4.9; Intermediate, grades 5.0-6.9; Advanced, grades 7.0-9.5; Forms F, G, and H
Norms
Harcourt Brace Jovanovich
VII, 14
1970
None

Metropolitan Mathematics Tests

H. H. Bixler, W. N. Buroet, G. H. Hildreth, K. W. Lund, and J. W. Wrightstone

Elementary, grades 3.5-4.9; Intermediate, grades 5-6.9;
Advanced, grades 7-9.5; Forms F, G, H

Norms

Guidance Centre, Toronto, Canada

Not listed

1970

None

Modern Mathematics Supplement to the Iowa Tests of Basic Skills

A. N. Hieronymus and H. D. Hoover

Grades 3-5; 1 Form

Norms

Riverside Publishing Company

VII, 481

1968

None

Objectives Referenced Bank of Items and Tests: Mathematics (ORBIT)

Not given

Grades k-12 and adults

No norms

California Test Bureau/McGraw-Hill

VIII, 287

1975

1978

Peabody Individual Achievement Test: Mathematics Subtest

Lloyd M. Dunn and Frederick C. Markwardt, Jr.

Kindergarten through adult. One form.

Norms

American Guidance Service

VIII, 24

1970

None

Scholastic Testing Service—Diagnostic Skills Battery (DSB); Mathematics

Oliver F. Anderhalter and STS Staff

Grades 1-8, Form A and B

Levels 12, 34, 56 and 78

Criterion-referenced

Scholastic Testing Service, Inc.

Not listed

1976

None

Scholastic Testing Service Educational Development Series; Mathematics

Oliver F. Anderhalter

Grade 2, Forms A and S; grade 3, Forms B, C, and R; grades

4-6, Forms B, C, R, S and T; grades 6-9, Forms B, C, R and S; grades 9-12; Forms B, C, R, S, and T

Norms

Scholastic Testing Service, Inc.

V, 484

1963, 1965, 1972

1973, 1975, 1976

1977, 1978, 1979

SRA Achievement Series: Mathematics

Robert A. Naslund, Louis P. Thorpe, and D. Welty Lefever
Grades K-12, Levels A-D (Primary)
Levels D-G (Intermediate/Junior High)
Levels G-H (High School)
Forms 1 and 2
Norms, Spring and Fall
Science Research Associates, Inc.
Not listed
1978
None

1973 Stanford Mathematics Tests

Richard Madden, Eric F. Gardner, Herbert C. Rudman, Bjorn
Karlson, and Jack C. Merwin
Primary Level I, grades 1.5-2.4; Primary Level II, grades 2.5-3.4;
Primary Level III, grades 3.5-4.4; Intermediate Level I,
grades 4.5-5.4; Intermediate Level II, grades 5.5-6.9; Ad-
vanced, grades 7.0-9.5; Forms A and B
Norms
Harcourt Brace Jovanovich in U.S.; Guidance Centre, Toronto,
Canada
Not listed
1973
None

Stanford Diagnostic Mathematics Test

Leslie S. Beatty, Richard Madden, Eric F. Gardner, and Bjorn
Karlson
Red level, grades 1.6-4.5; Green level, grades 3.6-6.5; Brown
level, grades 5.6-8.5; Blue level, grades 7.6-13
Norms
Guidance Centre, Toronto, Canada
Not listed
1973
1976

STEP Series II Mathematics Basic Concepts

Not given
Grades 4-14; Forms 4A, 4B; 3A, 3B; 2A, 2B; 1A, 1B
Norms
Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)
VIII, 28; 290
1956
1972

STEP Series II Mathematics Computation

Not given
Grades 4-12; Forms 4A, 4B; 3A, 3B; 2A, 2B; 1A, 1B
Norms
Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)
VIII, 28; 290
1969
None

STEP Series III: Mathematics Basic Concepts

Not given
Grades 3.5-12.9; Forms X and Y
Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)

Not listed

1979

None

STEP Series III: Mathematics Computation

Not given

Grades 3.5-12.9; Forms X and Y

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)

Not listed

1979

None

Tests of Adult Basic Education (adapted from CAT-57)—

Arithmetic Test

CTB/McGraw-Hill staff

Forms 1 and Q, Levels D (adapted from junior high level of
CAT), M (from the elementary level), and E (from the upper
primary level)

Norms

California Test Bureau/McGraw-Hill

VII, 60

1967

1976

High School, General

Annual High School Mathematics Examination

Shared by professional association

Secondary, One form per year

No norms

Mathematical Association of America

VIII, 252

1950

New form each year

Basic Skills Assessment: Mathematics

Not given

Grades 8, 9, 12; Forms A, B, C

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co.

Not listed

1977, 1978, 1980

None

Cardall Junior Math Reasoning Test

Alfred J. Cardall

Grades 10-12; Forms X and Y

Norms

Cardall Associates

VI, 580

1943

None

Iowa Tests of Educational Development

E. F. Lindquist and Leonard S. Feldt

Test 4, Ability to Do Quantitative Thinking, grades 9-12; Forms
X-4 and Y-4

Norms
Science Research Associates, Inc.
VI, 14 (Total ITED Battery)
1960
(For revised edition, see next entry.)

Iowa Tests of Educational Development

E. F. Lindquist and Leonard S. Feldt
Part 3: Mathematics, grades 9-12; Forms X-5 and Y-5
Norms
Science Research Associates, Inc.
Not listed
1971
None

Minnesota High School Achievement Examination: Advanced Mathematics

V. L. Lohmann, ed.
Three forms, one revised each year
Norms
American Guidance Service
VI, 993
1952
1970, 1971, 1972

NM Consumer Mathematics Test

Not given
Grades 9-12
No norms
Monitor
VIII, 312
1973
None

1973 Stanford Test of Academic Skills*

Eric F. Gardner, Robert Callis, Jack C. Merwin, and Richard Madden
Level I, grades 8-10; Level II, grades 11, 12, and 13; Forms A and B
Norms
Harcourt Brace Jovanovich
Not listed
1973
None

*Note: The mathematics test is not available as a separate test.

STEP Series III; Algebra and Geometry (End-of-Course Tests)

Not given
High school; Forms X and Y
Norms
Educational Testing Service; Published by Addison-Wesley Publishing Co.
Not listed
1979
None

Tests of Achievement in Basic Skills, TABS-MATH, Level D

James C. Young
Grades 10-12, Forms 1 and 2
Norms
Educational and Industrial Testing Service
Not listed
1972
None

Test of Performance in Computational Skills (TOPICS)

Not given

High School

No norms. Competency-based test

California Test Bureau/McGraw-Hill

Not given

1977

1978

Algebra

Algebra Test for Engineering and Science

A. B. Lonski

High school and college

Norms

Psychometric Affiliates

Not listed

1958

1961

Breslich Algebra Survey Test

E. R. Breslich

First and second semesters; Forms A and B

Norms

Bobbs-Merrill Company

II, 1435

1930, 1931

None

Cooperative Mathematics Tests: Algebra I, II, and III

Not given

I, grades 8-9; II, high school; III, high school and college;
Forms A and B at each level

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)

VI, 594; VII, 500, 501

I, II, 1962; III, 1963

None

Emporia State Algebra II Test

Stanley J. Laughlin and Howard P. Schwartz

High school

Criterion-referenced norms

Emporia State University

VIII, 299

1974

None

ERB Modern Elementary Algebra Test

Frederic Bonan et al.

Grades 8-9; Forms L and M

Norms

Educational Records Bureau

VII, 502

1965, 1966

None

ERB Modern Second-Year Algebra Test

Frederic Bonan et al.

High school; Forms X and Y

Norms

Educational Records Bureau

VII, 503

1968, 1969

None

First-Year Algebra Test

Ray Webb and Julius H. Havaty

Secondary school

Norms

Psychometric Affiliates

VI, 600

1958

1962

Iowa Algebra Aptitude Test

M. A. Greene and Darrell Sabers

Grade 8, prealgebra

Norms

Bureau of Educational Research and Service, University of Iowa

II, 1441; III, 327; IV, 393; VII, 505

1931, 1942

1967

Kepner Mid-Year Algebra Achievement Test

Henry S. Kepner, Jr., and Darrell Sabers

First-year algebra

Item norms

Bureau of Educational Research and Service, University of Iowa

VII, 506

1969

None

Lankton First-Year Algebra Test

Robert S. Lankton

Grades 8-12; Forms E and F

Norms

Harcourt Brace Jovanovich

IV, 394; V, 451; VII, 507

1950

1965

Lee Test of Algebraic Ability

J. Murray Lee

Grades 7-8

Norms

Bobbs-Merrill Company

II, 1443; VII, 508

1930

1964

Minnesota High School Achievement Examination: Elementary Algebra

V. L. Lohmann, ed.

Three forms, one revised each year

Norms

American Guidance Service

VI, 597; VII, 504

1955, 1963

1970, 1971, 1972

Modern Algebra Test

Gerald S. Hanna
First year high school
Norms
Riverside Publishing Company
VIII, 300
1972
None

Orleans-Hanna Algebra Prognosis Test

Joseph B. Orleans and Gerald S. Hanna
Grades 7-11
Norms
Harcourt Brace Jovanovich
II, 1444; IV, 396; VII, 510
1928 (Orleans only)
1968

Geometry

Cooperative Mathematics Tests: Analytic Geometry

Not given

High school and college; Forms A and B

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)

VI, 643; VII, 532

1963

None

Cooperative Mathematics Tests: Geometry

Not given

High school; Forms A and B

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co.

VI, 645; VII, 533

1962, 1963

None

Iowa Geometry Aptitude Test

James Maxey and Darrell Sabers

Grades 9-10, pregeometry

Tentative norms

Bureau of Educational Research and Service, University of
Iowa

II, 1469; III, 360; VII, 537

1931, 1942

1969

Minnesota High School Achievement Examinations: Geometry

V. L. Lohmann, ed.

Three forms, one revised each year

Norms

American Guidance Service

VI, 649; VII, 534

1955

1970, 1971, 1972

Modern Geometry Test

Gerald S. Hanna

Grades 10-12

Norms

Riverside Publishing Company

VIII, 311

1971

None

Plane Geometry

Ray Webb and Julius Hlavaty

Secondary school

Norms

Psychometric Affiliates

VII, 540

1958

None

Solid Geometry

Ray Webb and Julius Hlavaty

Secondary school

Norms

Psychometric Affiliates

VI, 653

1960

None

Trigonometry

Cooperative Mathematics Texts: Trigonometry

Not given

High school and college; Forms A and B

Norms

Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)

VI, 657; VII, 343

1962, 1963

None

Minnesota High School Achievement Examinations:

Trigonometry

V. L. Lohmann, ed.

High school; three forms, one revised each year

Norms

American Guidance Service

VI, 658

1961

1970, 1971, 1972

Plane Trigonometry

Ray Webb and Julius H. Hlavaty

Secondary school

Norms

Psychometric Affiliates

VI, 656

1960

None

College-Related

Advanced Placement Program—Calculus AB, Calculus BC

Faculty Committee

College Level. Examinations offered in May for national
administrations in secondary schools. Most recent form
offered for local administration to college students.

Norms
Educational Testing Service
VI, 570; VII, 451, 662
1954
1981

Arithmetic Test for Prospective Nurses

Thelma Hunt
High school graduates, Form 2
Norms:
Center for Psychological Service
IV, 818
1949
None

Cardall Arithmetic Reasoning Test

Alfred J. Cardall
Grades 12-13; Forms A and B
Norms (college freshmen)
Cardall Associates
VI, 617
1947; Manual, 1942
None

Career Planning Program

American College Testing Program Staff
Grades 12-13, Form H
Norms
American College Testing Program
Not listed
1970
1976

CLEP General Examination in Mathematics

Faculty Committee
College credit or exemption; 3 forms
Norms
Educational Testing Service
VIII, 254
1963
1978

CLEP Subject Examination in Calculus, with Elementary Functions

Faculty Committee
College credit or exemption; 2 forms
Norms
Educational Testing Service
Not listed
1977
None (Replaced CLEP Subject Examination in Calculus with Analytic Geometry)

CLEP Subject Examination in College Algebra

Faculty Committee
College credit or exemption; 2 forms
Norms
Educational Testing Service
VII, 498, 664; VIII, 297
1968
1976

CLEP Subject Examination in College Algebra and Trigonometry
Faculty Committee
College credit or exemption; 1 form
Norms
Educational Testing Service
VII, 454, 664; VIII, 256
1968
1976

College-Related

CLEP Subject Examination in Statistics
Faculty Committee
College credit or exemption; 2 forms
Norms
Educational Testing Service
VII, 545, 664
1967
1979

CLEP Subject Examination in Trigonometry
Faculty Committee
College credit or exemption; 2 forms
Norms
Educational Testing Service
VII, 542, 664
1968
1979

Comparative Guidance and Placement
Faculty Committee
Designed for entering junior college students
Norms by modules
Educational Testing Service
VII, 666
1969
1972

Cooperative Mathematics Tests: Calculus*
Not given
High school and college; Forms A and B
Norms
Educational Testing Service; Published by Addison-Wesley
Publishing Co. (Available U.S. and Canada)
VI, 654; VII, 531
1963
None

Descriptive Test of Mathematical Skills—Arithmetic*
Faculty Committee
Grades 9-14, Forms A and B
Norms
Educational Testing Service
Not listed
1978
1979

Descriptive Test of Mathematical Skills—Elementary Algebra*
Faculty Committee
Grades 9-14, Forms A and B
Norms

Educational Testing Service

Not listed

1978

1979

Descriptive Test of Mathematical Skills—Intermediate Algebra*

Faculty Committee

Grades 9-14, Forms A and B

Norms

Educational Testing Service

Not listed

1978

1979

Descriptive Test of Mathematical Skills—Functions and Graphs (Pre-Calculus)*

Faculty Committee

Grades 9-14, Forms A and B

Norms

Educational Testing Service

Not listed

1978

1979

*Designed for college placement and guidance. Available to schools and colleges.

Doppelt Mathematical Reasoning Test

J. E. Doppelt

Graduate student and personnel selection (high-level measure of numerical reasoning ability)

Norms

Psychological Corporation

VI, 456; VII, 349

1954

1968

Educational Skills Tests: Mathematics, College Edition

CTB/McGraw-Hill staff

Designed for entering college students

Norms

California Test Bureau/McGraw Hill

VIII, 268

1971

None

Junior College Placement Program

Not given

Entering junior college students

Norms

Science Research Associates, Inc.

VII, 669

1967

1969

1973 Stanford Test of Academic Skills*

Eric F. Gardner, Robert Callis, Jack C. Merwin, and Richard Madden

Level II, College Edition, Grade 12; Forms A and B

Norms

Harcourt Brace Jovanovich

Not listed

1973

None

*Note: The mathematics test is not available as a separate test.

DIRECTORY OF PUBLISHERS/DISTRIBUTORS

Addison-Wesley Publishing Company, Inc.
South Street
Reading, Massachusetts 01867

Addison-Wesley Canada, Ltd.
36 Prince Andrew Place
Don Mills, Ontario M3C 2T8

American College Testing Program
P.O. Box 168
Iowa City, Iowa 52240

American Guidance Service, Inc.
Publishers' Building
Circle Pines, Minnesota 55014

The Bobbs-Merrill Company, Inc.
Educational Publishing Division
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Indianapolis, Indiana 46206

Beckmann-Beal Mathematical Testing Service
3425 "L" Street
Lincoln, Nebraska 68510

The Book Society of Canada Ltd.
4386 Sheppard Avenue East
Agincourt, Ontario M1S 3B6

Bureau of Educational Research and Service
Division of Extension and University Services
The University of Iowa
C-20 East Hall
Iowa City, Iowa 52242

CTB/McGraw-Hill
Del Monte Research Park
Monterey, California 93940

Cardall Associates
122 Edgehill Road
Bala Cynwyd, Pennsylvania 19004

The Center for Psychological Service
1511 "K" Street, N.W.
Suite 430
Washington, D.C. 20005

Edcodyne Corporation
One City Boulevard, West
Suite 935
Orange, California 92668

Educational and Industrial Testing Service
Box 7234
San Diego, California 92107

Educational Development Corporation
P.O. Box 45663
Tulsa, Oklahoma 74145

Educational Records Bureau
3 East 80th Street
New York, New York 10021

- Educational Testing Service**
Princeton, New Jersey 08541
1947 Center Street
Berkeley, California 94704
- Emporia State University**
Bureau of Educational Measurements
1200 Commercial Street
Emporia, Kansas 66801
- Facilitation House**
Box 611
Ottawa, Illinois 61350
- Guidance Centre, Faculty of Education**
University of Toronto
1000 Yonge Street
Toronto, Ontario M4W 2K8
- Harcourt Brace Jovanovich, Inc.**
757 Third Avenue
New York, New York 10017
- Hayes Educational Test Laboratory**
7040 North Portsmouth Avenue
Portland, Oregon 97203
- Illinois Rational Thinking Project**
Education Building
University of Illinois
Urbana, Illinois 61801
- Indiana University**
School of Education
Education Building
Bloomington, Indiana 47405
- Instructional Objectives Exchange**
Box 24095
Los Angeles, California 90024
- M.A.A. Committee on High School Contests**
University of Nebraska
Lincoln, Nebraska 68508
- Media Research Associates**
1735 23rd Street
Salem, Oregon 97302
- Monitor**
P.O. Box 2337
Hollywood, California 90028
- Thomas Nelson & Sons (Canada) Ltd.**
81 Curlew Drive
Don Mills, Ontario M3A 2R1
- Psychometric Affiliates**
Box 3167
Munster, Indiana 46321
- The Psychological Corporation**
757 Third Avenue
New York, New York 10017
- The Riverside Publishing Company**
1919 South Highland Avenue
Lombard, Illinois 60148

Scholastic Testing Service, Inc.
488 Meyer Road
Bensenville, Illinois 60106

Scientific Research Associates, Inc.
155 North Wacker Drive
Chicago, Illinois 60606

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Huntington Beach, California 92648

REFERENCES

Test Collection — Educational Testing Service

The Test Collection at Educational Testing Service maintains an extensive file of published and unpublished tests and other assessment devices. Qualified persons, whether affiliated with EST or not, may have on-site access to the materials in the collection. The American Psychological Association's guidelines for access to assessment devices and restrictions requested by individual publishers are observed closely. Those who find it impossible to visit the collection may direct specific questions to the collection by mail, or telephone 609-734-5686.

Address: Test Collection
Educational Testing Service
Princeton, New Jersey 08541

Anastasi, Anne. *Psychological Testing* (Fourth Edition). New York: MacMillan Publishing Company, 1976.

Backer, Thomas E. *A Directory of Information on Tests*. ERIC/TM Report 62. Princeton, N.J.: ERIC Clearinghouse on Tests, Measurement, and Evaluation, 1977. Available from ERIC/TM, Educational Testing Service, Princeton, N.J. 08541 (\$3.00).

Buros, Oscar Krisen, ed. *The Nineteen Thirty-Eight Mental Measurements Yearbook*. New Brunswick, N.J.: Rutgers University Press, 1938.

_____. *The Nineteen Forty Mental Measurements Yearbook*. Highland Park, N.J.: The Mental Measurements Yearbook, 1941.

_____. *The Third Mental Measurements Yearbook*. New Brunswick, N.J.: Rutgers University Press, 1949.

_____. *The Fourth Mental Measurements Yearbook*. Highland Park, N.J.: Gryphon Press, 1953.

_____. *The Fifth Mental Measurements Yearbook*. Highland Park, N.J.: Gryphon Press, 1959.

____ **The Sixth Mental Measurements Yearbook.** Highland Park, N.J.: Gryphon Press, 1965.

____ **The Seventh Mental Measurements Yearbook.** Highland Park, N.J.: Gryphon Press, 1972.

____ **The Eighth Mental Measurements Yearbook.** Highland Park, N.J.: Gryphon Press, 1978.

____ **Tests in Print II: An Index to Tests, Test Reviews, and the Literature on Specific Tests.** Highland Park, N.J.: Gryphon Press, 1974.

Gronbach, Lee J. "Evaluation for Course improvement." **Teachers College Record** 64, no. 8, 1963

Jaeger, Richard M. and Kehr, Carol, Eds **Minimum Competency Achievement Testing.** Berkeley, CA: McCutchan Publishing Company, 1980