

DOCUMENT RESUME

ED 035 064

EA 002 575

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TITLE Forms for Interpretation of Standardized Test Data.
INSTITUTION Gulf School Research Development Association,
Houston, Tex.
SPONS AGENCY Sears-Roebuck Foundation, Skokie, Ill.
PUB DATE 68
NOTE 28p.

EDRS PRICE MF-\$0.25 HC-\$1.50
DESCRIPTORS Achievement Tests, *Data Analysis, Data Sheets,
*Records (Forms), *Standardized Tests, *Student
Records, *Test Interpretation, Visualization, Visual
Measures

ABSTRACT

This document is a collection of 12 forms that have been designed to aid school personnel in the processing of standardized achievement tests. The forms adapt to any typical achievement test whether the scale is a classroom or a large school organization. These forms are essentially a visual aid to interpretation. For the pupil there are two forms titled Class Report and Percentiles and Individual Progress Profile. Three forms directed to the teacher are titled: Distribution by Grade, Sex, and Subtest; Correlation of Achievement and Ability; and Response Analysis. For the administrator there are five forms titled Descriptive Statistics, Comparative Grade Equivalents, Profile of Percentiles, Class Comparisons by Standard Score, and Class Group Progress Annually. For the school board there are two forms titled Standard Score Profile by Grade Levels and Subtest Analysis by Percentiles. (LN)

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FORMS FOR INTERPRETATION OF
STANDARDIZED TEST DATA

Prepared for the
Study Commission on Standardized Tests

by

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and
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A Publication of

GULF SCHOOL RESEARCH DEVELOPMENT ASSOCIATION
3801 Cullen Boulevard Houston, Texas 77004

1968

The Research Publication Fund
of the
GULF SCHOOL RESEARCH DEVELOPMENT ASSOCIATION
is supported by
The Sears-Roebuck Foundation

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**FORMS FOR INTERPRETATION OF
STANDARDIZED TEST DATA**

**Produced by
Study Commission on Interpretation of Standardized Tests**

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A Publication of

**GULF SCHOOL RESEARCH DEVELOPMENT ASSOCIATION
3801 Cullen Boulevard Houston, Texas 77004**

1968

FOREWORD

The Study Commission on Interpretation of Standardized Tests is planning various approaches to the task of interpreting test data. This report is in response to the frequent request for a versatile set of forms that school personnel could use for meaningful processing of standardized achievement tests.

In designing the forms, complete flexibility has been the foremost consideration. The forms will adapt to any typical achievement test. They apply to a single classroom or a large school organization. They can be modified to show either sub-test scores or total test scores.

It is assumed that the classroom teachers and supervisory personnel making the test analysis are fairly well informed concerning measurement techniques. Much of the information may be processed by a scoring machine or the test publisher. The computation terms such as average, percentile, standard deviation, standard score, etc., are explained in any introductory textbook. The forms essentially are a visual aid to interpretation.

The purpose of interpretation is important, and therefore the forms are presented in this order:

For the Pupil

- Form 1. Class Report and Percentiles
- Form 2. Individual Progress Profile

For the Teacher

- Form 3. Distribution by Grade, Sex, and Subtest
- Form 4. Correlation of Achievement and Ability
- Form 5. Response Analysis

For the Administrator

- Form 6. Descriptive Statistics
- Form 7. Comparative Grade Equivalents
- Form 8. Profile of Percentiles
- Form 9. Class Comparisons by Standard Score
- Form 10. Class Group Progress Annually

For the School Board

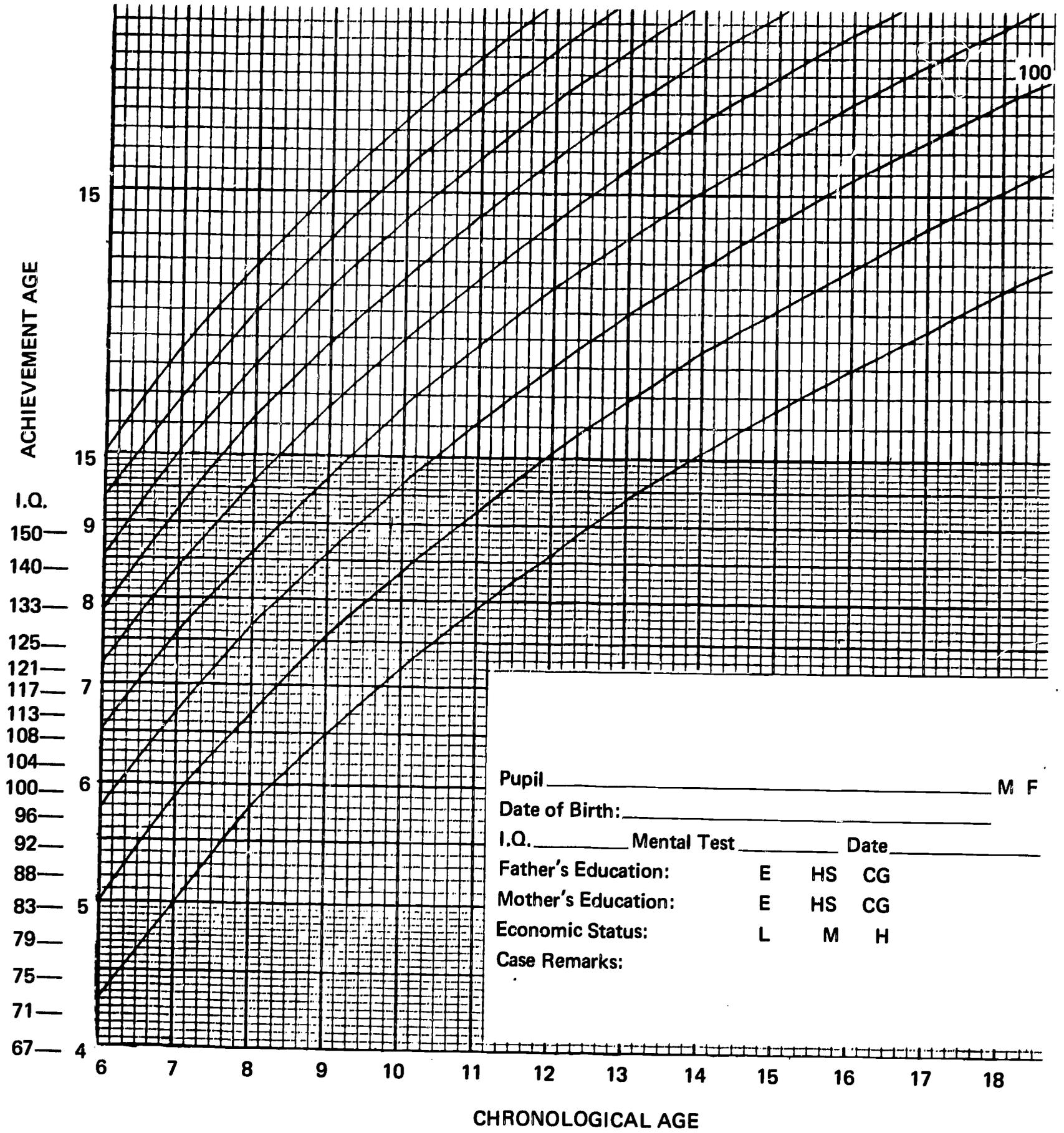
- Form 11. Standard Score Profile by Grade Levels
- Form 12. Sub-test Analysis by Percentiles

Following each form an example is given showing one of the ways that the form can be used. These forms may be purchased in desired quantities from the GUSREDA Office.

Wallace H. Strevell
Executive Secretary

March 1968

FORM 2. INDIVIDUAL PROGRESS PROFILE



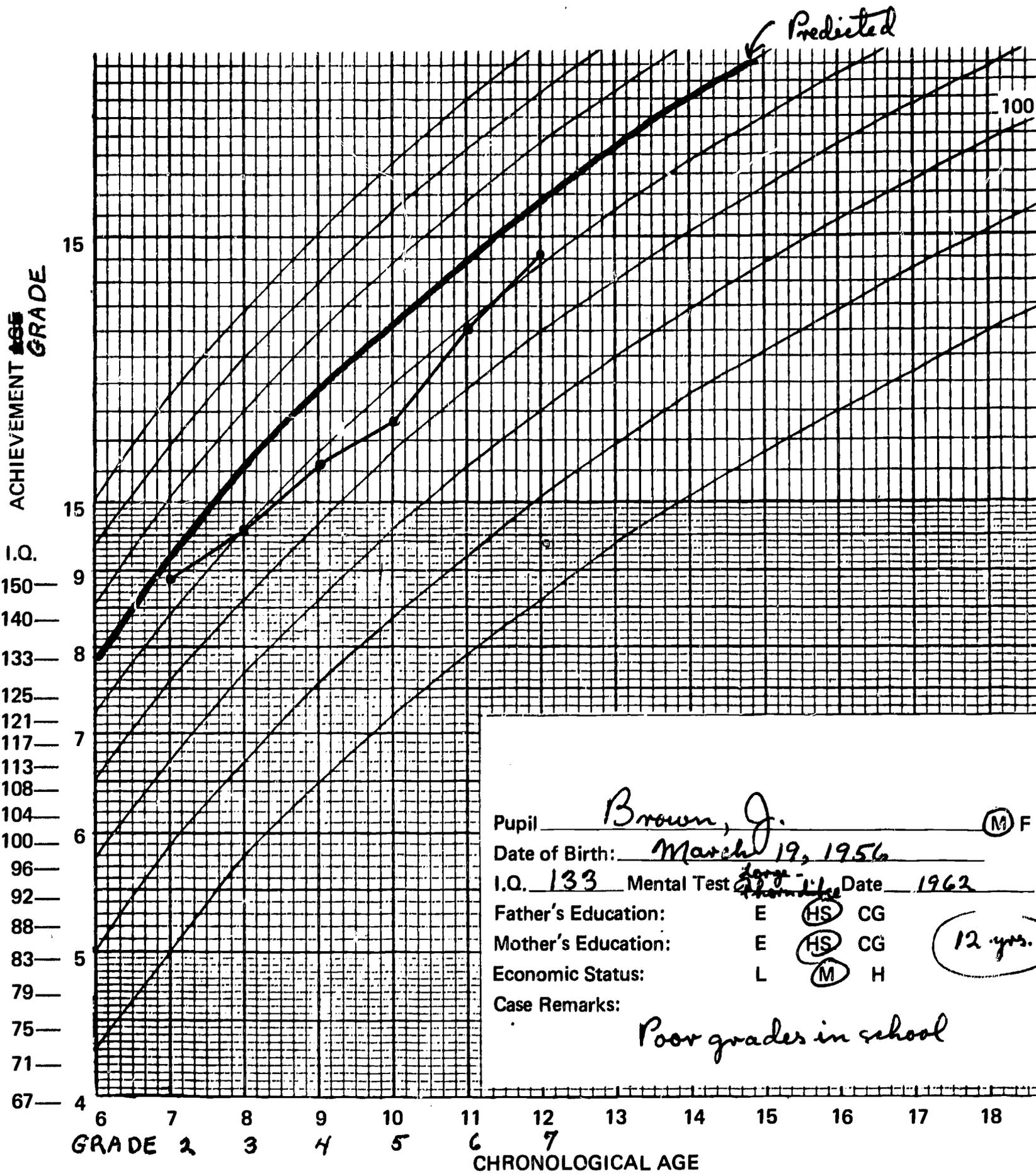
Pupil _____ M F
 Date of Birth: _____
 I.Q. _____ Mental Test _____ Date _____
 Father's Education: E HS CG
 Mother's Education: E HS CG
 Economic Status: L M H
 Case Remarks:

Name of Test _____ Form _____ Date _____
 Grade _____ Section _____ Teacher _____
 School District _____ School _____

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FORM 2. INDIVIDUAL PROGRESS PROFILE



Pupil Brown, J. (M) F
 Date of Birth: March 19, 1956
 I.Q. 133 Mental Test 133 Date 1962
 Father's Education: E (HS) CG
 Mother's Education: E (HS) CG (12 yrs.)
 Economic Status: L (M) H
 Case Remarks:

Poor grades in school

(Note - If AA is not available compare AG with G.)

Name of Test _____ Form _____ Date 1967
 Grades 2-7 Section _____ Teacher _____
 School District _____ School _____

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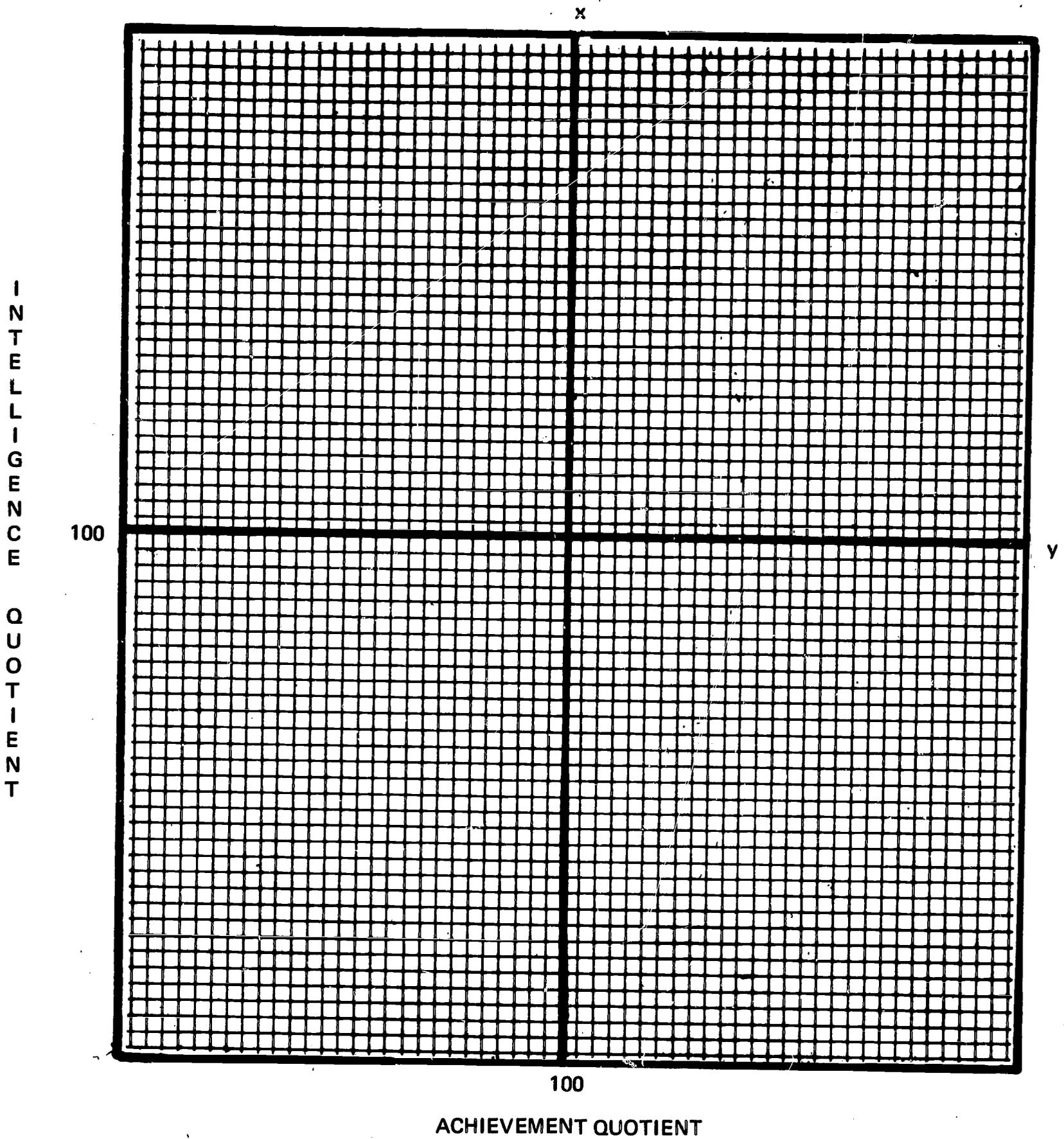
UNIVERSITY OF HOUSTON

FORM 3. DISTRIBUTION BY GRADE, SEX, AND SUBTEST

Grade Equiv- alent	Subtest			Subtest			Subtest			Subtest			Grade Equiv- alent			
	B	G	T	B	G	T	B	G	T	B	G	T		B	G	T
13.0																13.0
12.6																12.6
12.2																12.2
11.8																11.8
11.4																11.4
11.0																11.0
10.6																10.6
10.2																10.2
9.8																9.8
9.4																9.4
9.0																9.0
8.6																8.6
8.2																8.2
7.8																7.8
7.4																7.4
7.0																7.0
6.6																6.6
6.2																6.2
5.8																5.8
5.4																5.4
5.0																5.0
4.6																4.6
4.2																4.2
3.8																3.8
3.4																3.4
3.0																3.0
2.6																2.6
2.2																2.2
1.8																1.8
1.4																1.4
1.0																1.0
MEDIAN																
MEAN																
STANDARD DEVIATION																

Name of Test _____ Form _____ Date _____
 Grade _____ Section _____ Teacher _____
 School District _____ School _____

FORM 4. CORRELATION OF ACHIEVEMENT AND ABILITY



Scattergram comparison of (a) Intelligence Quotient with Achievement Quotient, or
(b) Mental Age with Achievement Age.

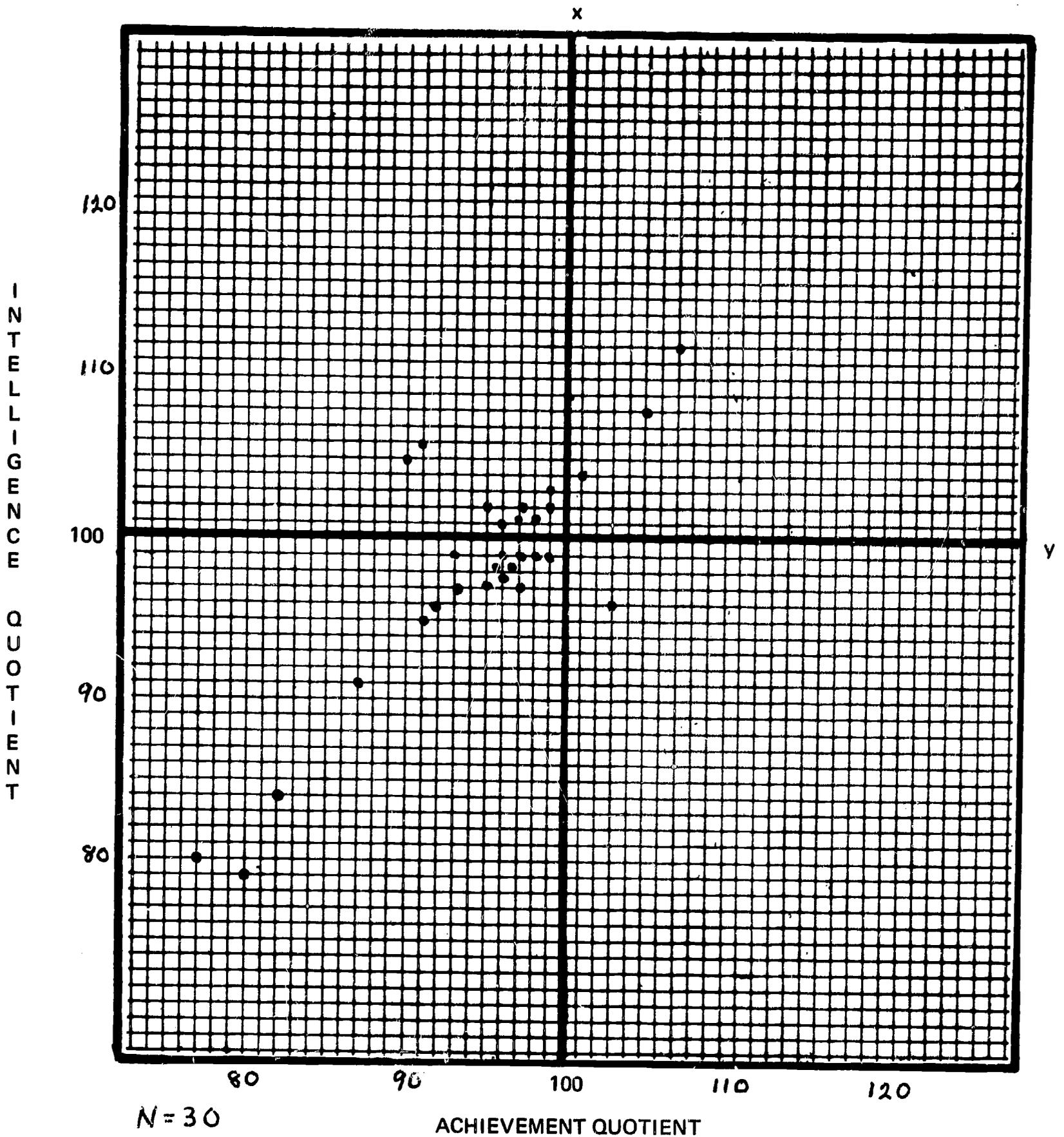
R = _____

Name of Test(s) _____ Form(s) _____ Date(s) _____
Grade _____ Section _____ Teacher _____
School District _____ School _____

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FORM 4. CORRELATION OF ACHIEVEMENT AND ABILITY



Scattergram comparison of (a) Intelligence Quotient with Achievement Quotient, or (b) Mental Age with Achievement Age.

$R = .77$

Name of Test(s) _____ Form(s) _____ Date(s) 1967
 Grade 10 Section _____ Teacher _____
 School District _____ School _____

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FORM 5. RESPONSE ANALYSIS

ITEM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
Right																										
Wrong																										
Unanswered																										

ITEM	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
Right																										
Wrong																										
Unanswered																										

ITEM	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	
Right																										
Wrong																										
Unanswered																										

ITEM	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	TOTAL	
Right																											
Wrong																											
Unanswered																											

Name of Test _____ Date _____
 Grade _____ Form _____ Teacher _____
 School District _____ Section _____ School _____



FORM 5. RESPONSE ANALYSIS

ITEM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Right	28	26	30	32	27	31	26	29	24	19	20	30	34	21	17	14	20	14	7	15	6	12	15	10	11
Wrong	6	9	5	2	5	4	5	4	10	11	13	4	1	11	15	19	12	20	20	17	15	17	16	17	24
Unanswered	1			1	3		4	2	1	5	2	1		3	3	2	3	1	8	3	14	6	4	8	

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

ITEM	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Right	27	26	28	31	20	22	28	17	14	9	24	17	20	22	14	17	12	20	23	20	16	14	18	23	17
Wrong	6	9	5	4	14	12	6	18	15	21	11	16	12	13	16	17	20	12	12	15	15	16	17	12	16
Unanswered	2		2		1	1	1		6	5		2	3		5	1	3	3			4	5			2

ITEM	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	TOTAL
Right	20	14	7	19	14	16	9	11	14	17	15	5	14	12	12	10	7	8	12	3	4	9	7	7	8	1617
Wrong	14	15	20	13	7	5	20	10	10	12	5	16	9	7	10	5	12	16	16	17	20	10	11	12	10	1291
Unanswered	1	6	8	3	14	14	6	14	11	6	15	14	12	16	13	20	16	11	7	15	11	16	17	16	17	592

N = 35

Name of Test _____ Date 1967
 Grade 10 Form _____ Teacher _____
 School District _____ Section _____ School _____



FORM 6. DESCRIPTIVE STATISTICS

	RANGE	MEAN	STANDARD DEVIATION	TEST ERROR
TEST	Group Tested			
	Local Norms			
	Standard Norms			
TEST	Group Tested			
	Local Norms			
	Standard Norms			
TEST	Group Tested			
	Local Norms			
	Standard Norms			
TEST	Group Tested			
	Local Norms			
	Standard Norms			

Name of Test _____ Date _____
 Grade _____ Section _____ Teacher _____
 School District _____ School _____

FORM 6. DESCRIPTIVE STATISTICS

	RANGE	MEAN	STANDARD DEVIATION	TEST ERROR
<i>Abstract Reasoning</i> TEST	17-55	36	6.3	4.1
	15-57	36	6.4	4.0
	9-60	25	11.3	4.2
Group Tested Local Norms Standard Norms	23-57	40	5.8	3.1
	22-58	40	6.2	3.0
	6-60	20.1	7.8	3.2
<i>Memorial</i> TEST	25-59	42	5.1	3.2
	24-59	41.5	5.1	3.1
	7-60	25.1	8.7	3.7
Group Tested Local Norms Standard Norms	23-58	40.5	5.3	3.1
	20-60	40	5.3	3.1
	7-60	23.5	9.7	3.3
Group Tested Local Norms Standard Norms				
<i>Verbal</i> TEST				
<i>Language Usage</i> TEST				

Name of Test _____ Form _____ Date 1967
 Grade 6 Teacher _____
 School District _____ School _____



FORM 7. COMPARATIVE GRADE EQUIVALENTS

GRADE EQUIVALENTS

	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	TOTAL
COUNT																									
PERCENT																									
GROUP																									

GRADE EQUIVALENTS

	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	TOTAL
COUNT																									
PERCENT																									
GROUP																									

GRADE EQUIVALENTS

	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	TOTAL
COUNT																									
PERCENT																									
GROUP																									

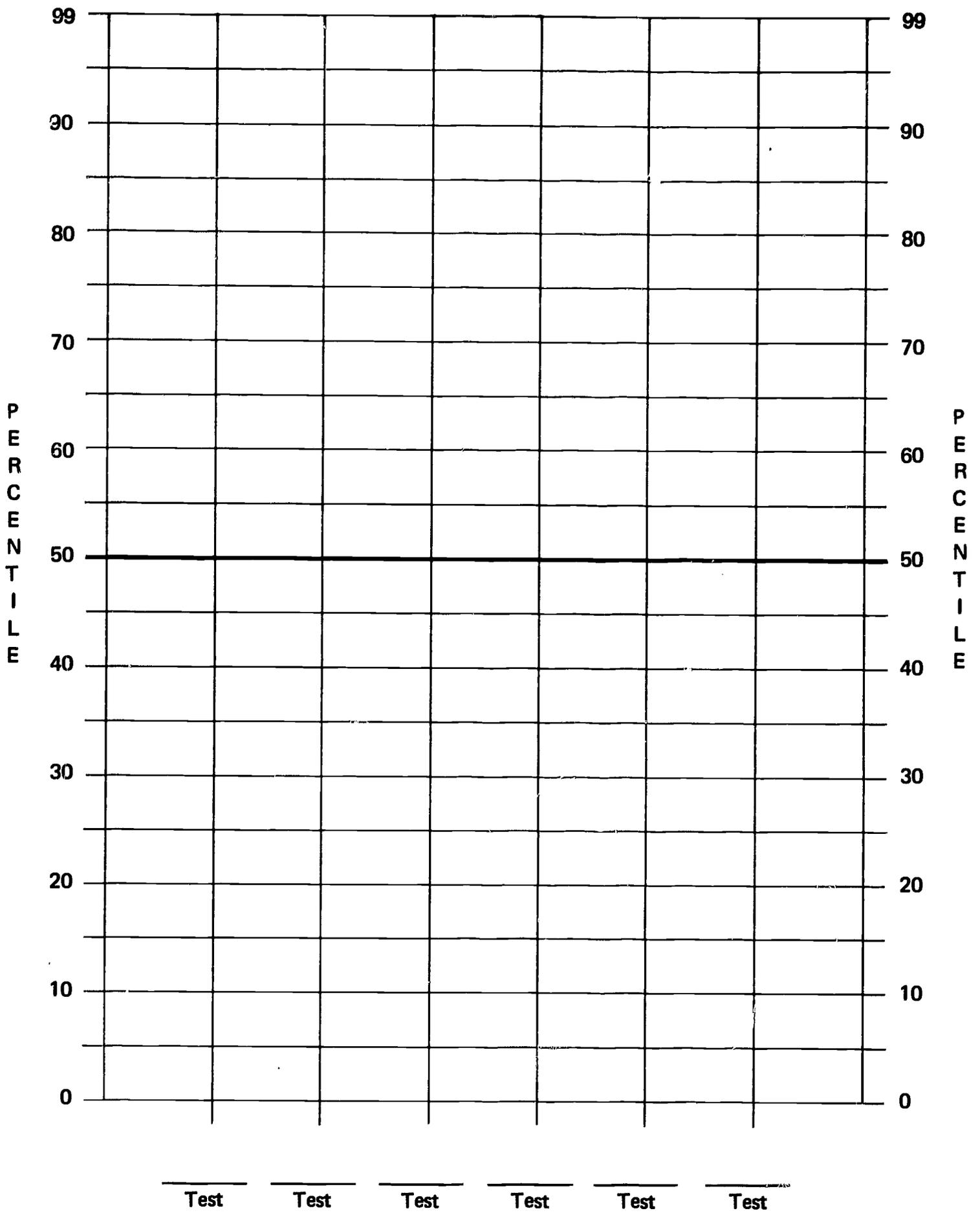
GRADE EQUIVALENTS

	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.6	12.1	12.6	TOTAL
COUNT																									
PERCENT																									
GROUP																									

Name of Test _____ Form _____ Date _____
 Grade(s) _____ Section(s) _____ Teacher(s) _____
 School District _____ School(s) _____



FORM 8. PROFILE OF PERCENTILES

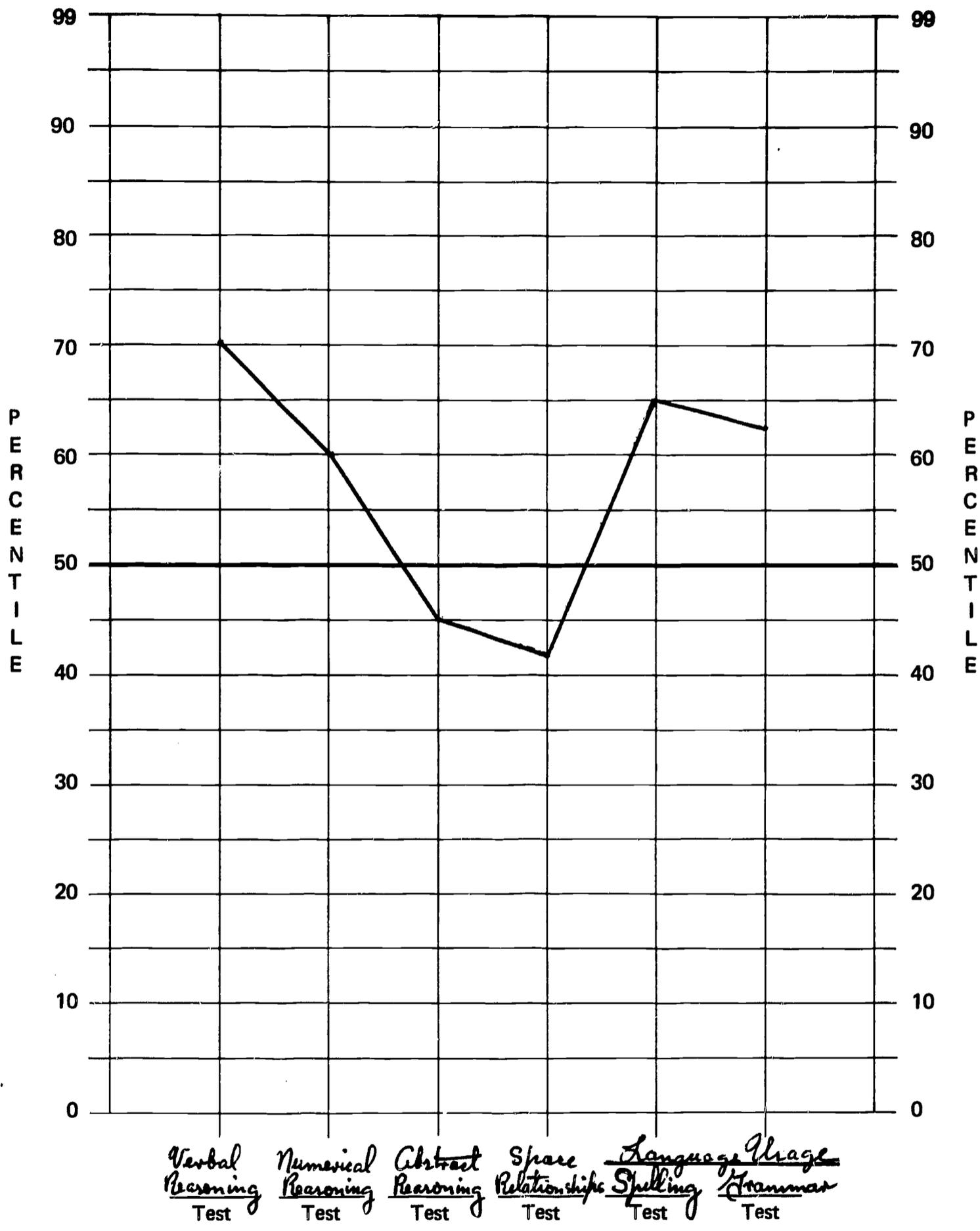


Name of Test(s) _____ Form(s) _____ Date _____
Grade _____ Section _____ Teacher _____
School District _____ School _____

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FORM 8. PROFILE OF PERCENTILES

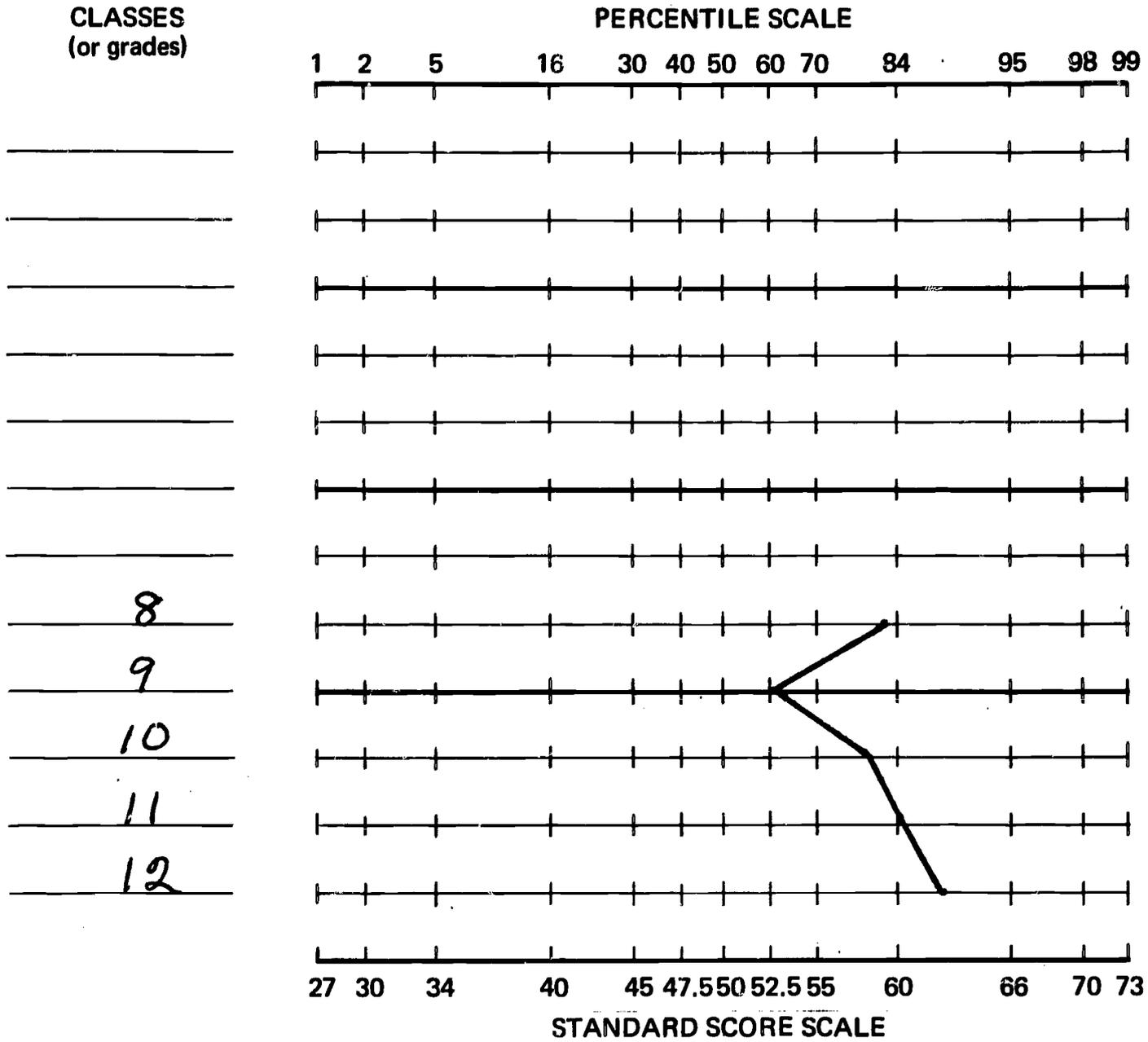


Name of Test (s) _____ Form (s) _____ Date 1967
 Grade 11 Section _____ Teacher _____
 School District _____ School _____

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FORM 9. CLASS COMPARISONS BY STANDARD SCORE



Name of Test _____ Form _____ Date 1967
 Grade (s) 8-12 Section (s) _____ Teacher(s) _____
 School District _____ School (s) _____

FORM 10. CLASS GROUP PROGRESS ANNUALLY

Average Score Progress by Years

GRADE	19__	19__	19__	19__	19__
1	<input type="text"/>				
2	<input type="text"/>				
3	<input type="text"/>				
4	<input type="text"/>				
5	<input type="text"/>				
6	<input type="text"/>				
7	<input type="text"/>				
8	<input type="text"/>				
9	<input type="text"/>				
10	<input type="text"/>				
11	<input type="text"/>				
12	<input type="text"/>				

Name of Test _____ Form _____ Date _____
 Test or Subtest _____ School _____
 School District _____

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FORM 10. CLASS GROUP PROGRESS ANNUALLY

Average Score Progress by Years

GRADE	19 <u>65</u>	19 <u>66</u>	19 <u>67</u>	19__	19__
1					
2					
3					
4	*	4.4	4.3		
5	*	5.1	5.4	5.1	
6	*	6.1	5.9	6.7	
7	*	7.2	6.9	6.9	
8	*		8.3	8.1	
9					
10					
11					
12					

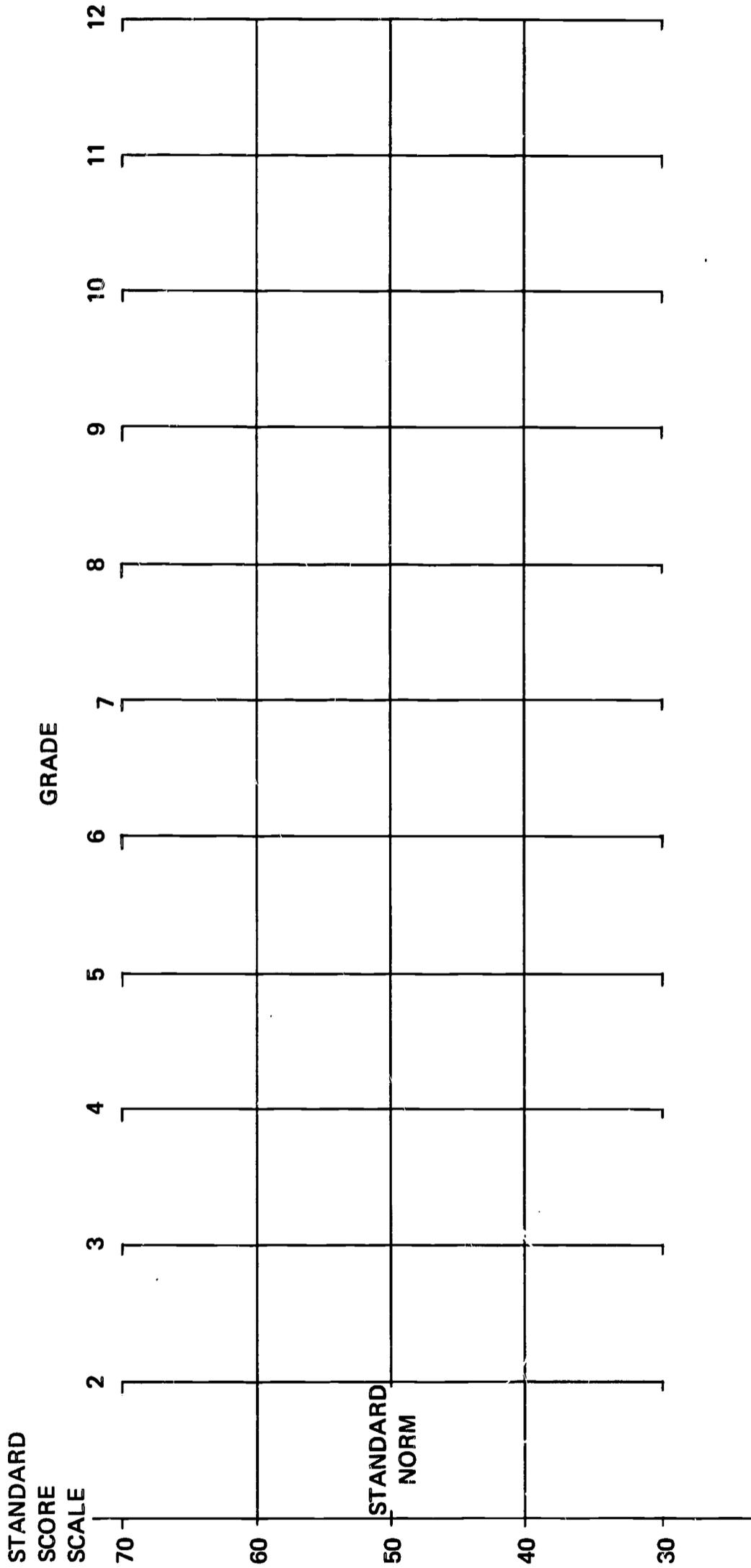
* Total of each grade

Name of Test _____ Form _____ Date 1967
 Test or Subtest _____ School X
 School District _____

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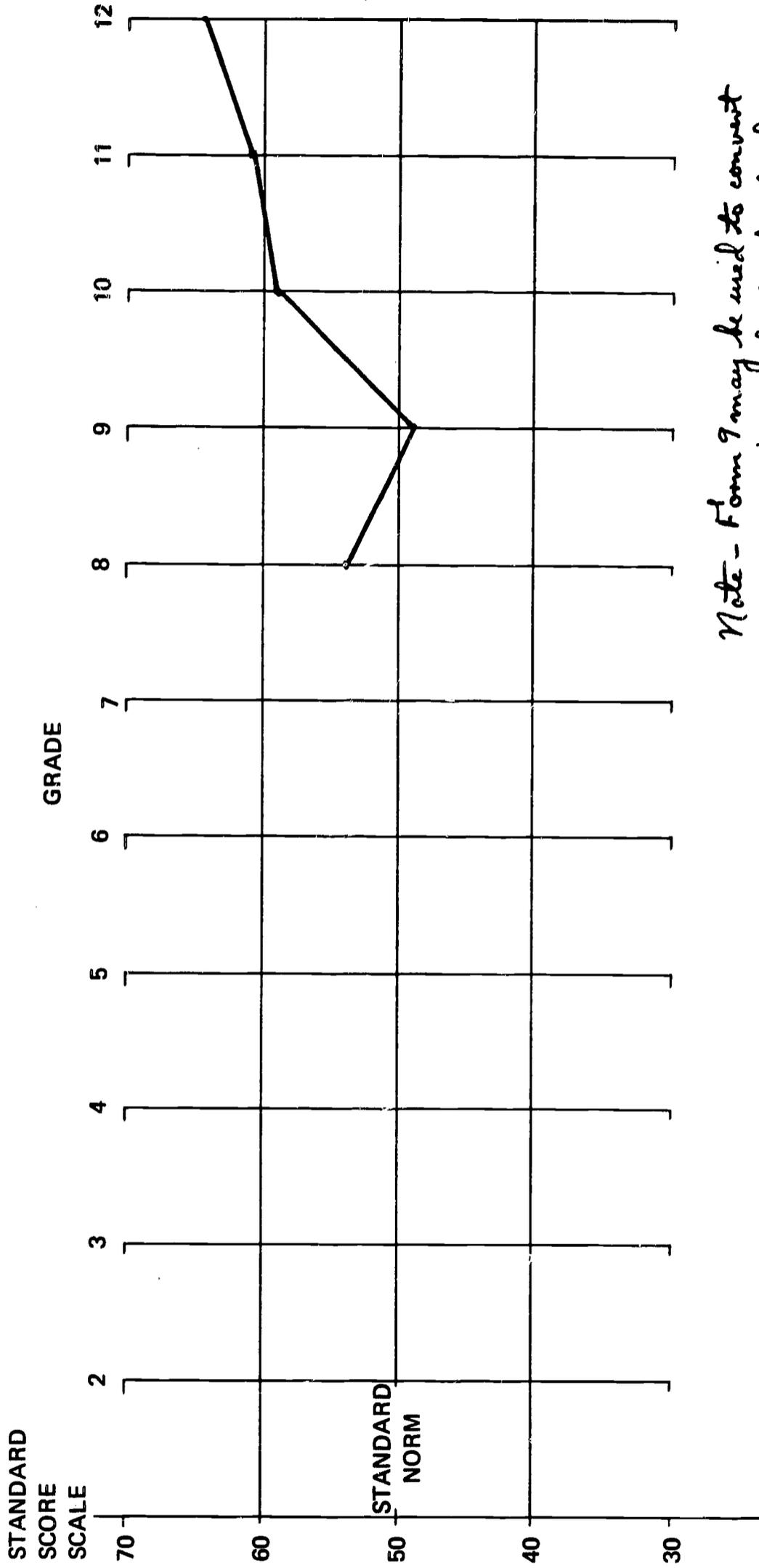
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FORM 11. STANDARD SCORE PROFILE BY GRADE LEVELS



Name of Test _____ Form _____ Date _____
 Test or Sub-Test _____ School _____
 School District _____

FORM 11. STANDARD SCORE PROFILE BY GRADE LEVELS



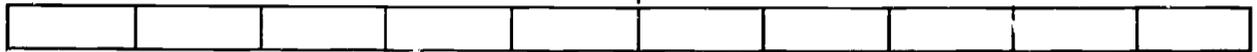
Note - Form 9 may be used to convert from percentiles to standard scores

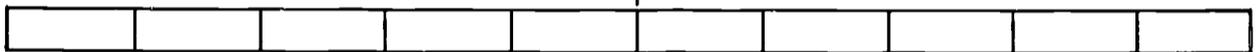
Name of Test _____ Form _____ Date 1967
 Test or Sub-Test _____ School _____
 School District _____

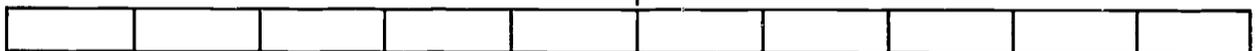


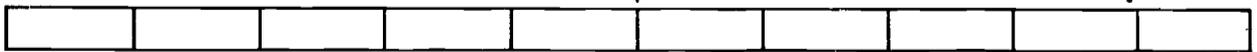
FORM 12. SUB-TEST ANALYSIS BY PERCENTILES

SUB-TEST









PERCENTILE: 0 10 20 30 40 50 60 70 80 90 99

Name of Test _____ Form _____ Date _____

Grade _____ Section _____ School _____

School District _____

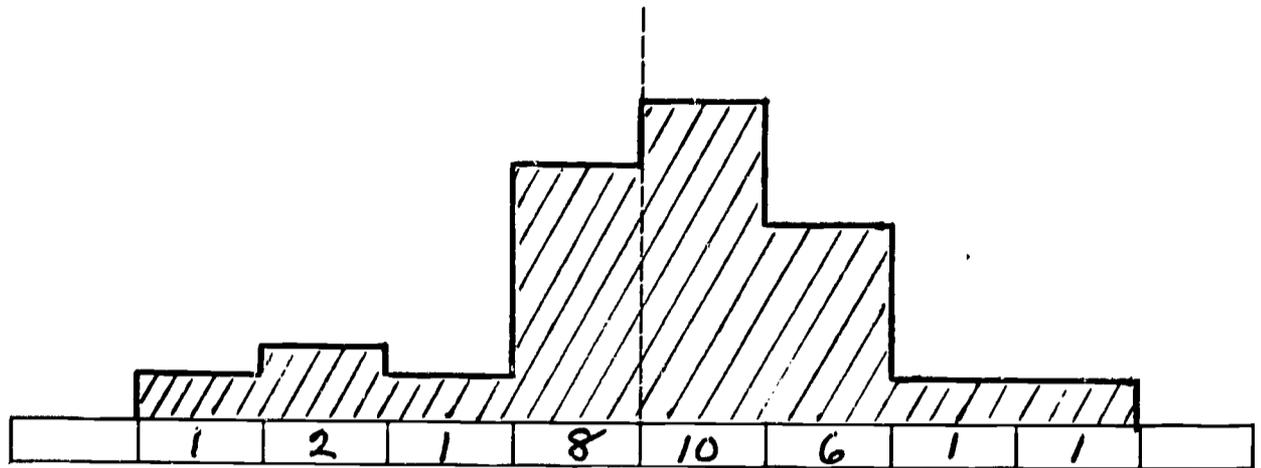
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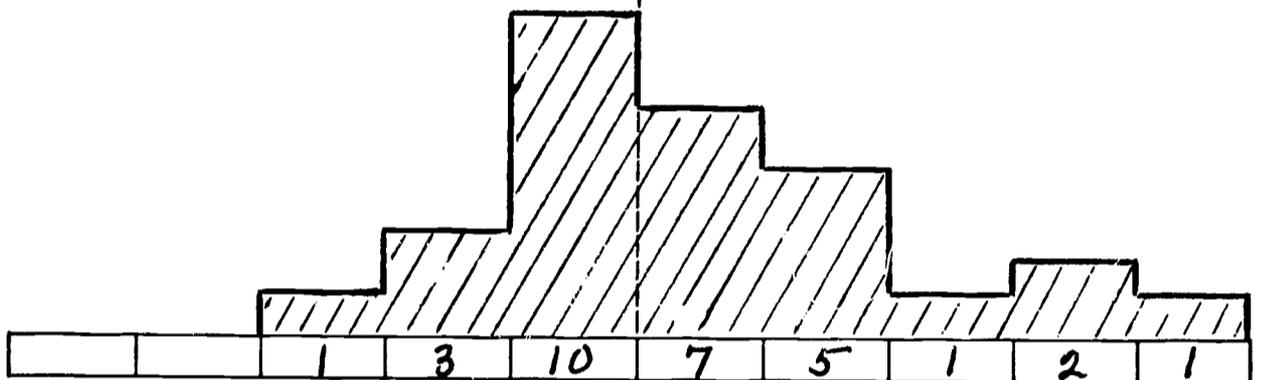
FORM 12. SUB-TEST ANALYSIS BY PERCENTILES

SUB-TEST

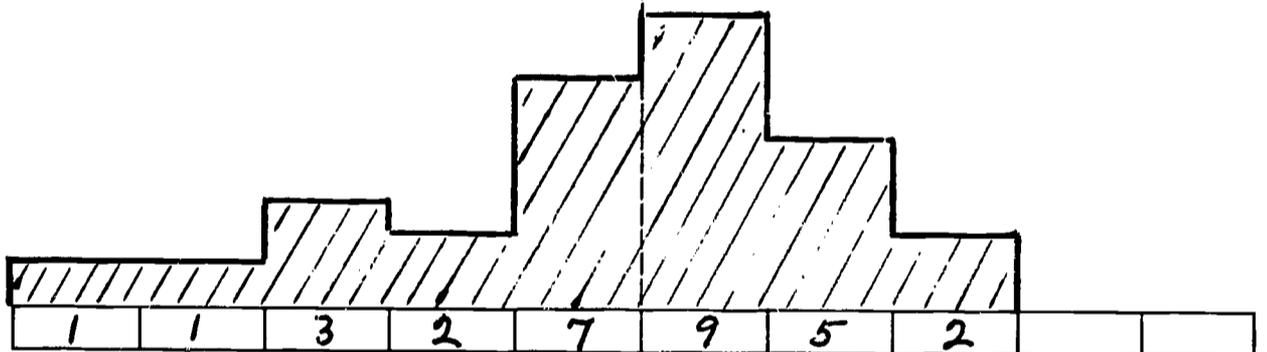
Word Knowledge



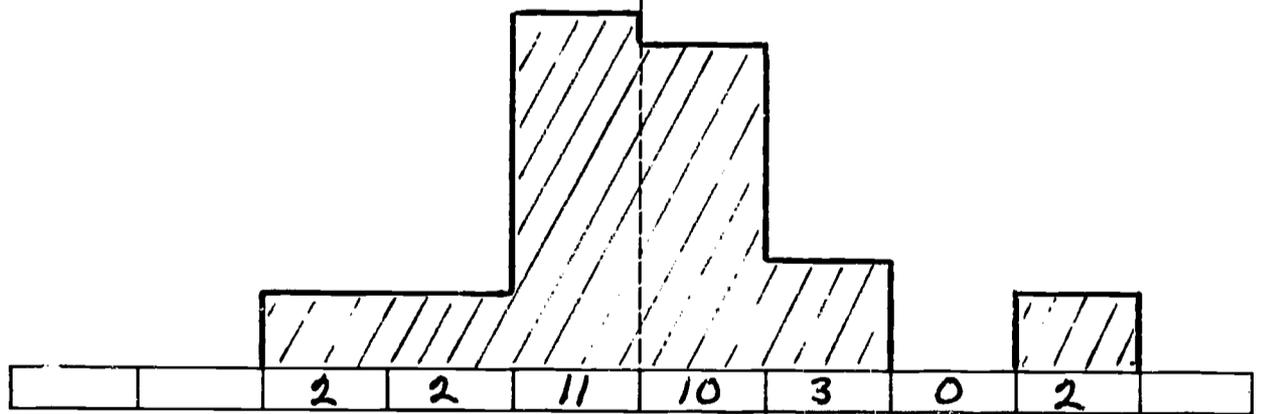
Reading



Spelling



Language Study Skills



PERCENTILE: 0 10 20 30 40 50 60 70 80 90 99

N = 30

Name of Test _____ Form _____ Date 1967
 Grade 6 Section _____ School _____
 School District _____

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