This pamphlet provides a comprehensive listing of mathematics tests available in the United States classified under eight headings: Arithmetic; Junior High; Batteries and General Listings, K-14; High School; General; Algebra; Geometry; Trigonometry; and College-related. Information given for each test includes title, authorship, grade levels and forms, availability of norms, publisher, reference to additional information, original date of publication, and date of latest revision. The pamphlet also contains a number of descriptions of related evaluation services with addresses for each. The final section lists 16 references which give information on the selection and use of tests. (For previous edition, see ED 039 125.) (DT)
mathematics tests available in the united states
MATHEMATICS TESTS
AVAILABLE IN
THE UNITED STATES

JAMES S. BRASWELL

NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS
Mathematics Tests Available in the United States

This pamphlet is a revision and expansion of the publication of the same name that was first published by the Council in 1959 and revised in 1968. Although there have been no extensive changes in the elementary and secondary school mathematics curricula since 1968, the focus of curriculum development has changed somewhat, and the issue of accountability has assumed a more prominent role in many school districts. At the curriculum development level, a number of programs have been or are being developed relative to rather specific behavioral objectives, some of which are monitored by criterion-referenced tests. Some school districts have voluntarily attempted to define their goals, both affective and cognitive, in behavioral terms; others have been required by law to do so. A logical consequence of defining the goals of instruction in mathematics in behavioral terms is the development of a plan or approach to measure the extent to which these goals are reached.

The primary purpose of this pamphlet is to provide a comprehensive listing of mathematics tests available in the United States that may assist educators in meeting their evaluation needs. The types of tests included in this pamphlet are listed in the table of contents. As before, no attempt has been made to include tests that are designed specifically for a particular text series. Tests published outside the United States are not included. With these exceptions, however, the current list, derived from two independent surveys of published tests, is intended to be complete. Many new tests have been added to the 1968 listings, and a number of the 1968 listings that are now out of print have been removed. With two exceptions, every publisher whose tests appear in this pamphlet was given the opportunity to verify his listings for accuracy and completeness. In this regard, publishers were prompt and efficient. The two publishers whose listings were not verified had tests brought to the attention of the author too near the publication date to allow time for this step.

The listing of a test does not constitute an endorsement by the National Council of Teachers of Mathematics. Teachers and curriculum specialists who are interested in a particular test should request a specimen copy from the publisher and examine it carefully relative to the particular use intended. A directory of publishers is included following the listing of tests.

Although the primary purpose of the pamphlet is to provide a listing of mathematics tests, the pamphlet also contains a number of descriptions of related evaluation serv-
ices that may be useful to educators. These descriptions and addresses follow the test listings and the directory of publishers.

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 seven volumes of the Mental Measurements Yearbook series, constituting the major reference work on tests. 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 volume and an Arabic numeral identifying the entry (not the page). Under American School Arithmetic Batteries, for example, “VI, 605” is given after the name of the publisher. This means that a review or a reference is found in the sixth yearbook under entry 605.

Information for each test is given in the following order:

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<th>Title</th>
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<th>Grade levels and forms</th>
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TESTS

Arithmetic

American School Arithmetic Batteries
Willis E. Pratt and Robert V. Young
Primary, grades 2-3; intermediate, grades 4-6; advanced, grades 7-9; Forms D, E, F, and G for all
Norms (1960 restandardization)
Bobbs-Merrill Company
VI. 605
Revision on Manual only: grades 2-3, 1958; grades 4-6, 1961; grades 7-9, 1963

American School Arithmetic Readiness Tests
Willis E. Pratt, Robert V. Young, and Gilbert L. Betts
Kindergarten and grade 1
Norms
Bobbs-Merrill Company
V, 456
1941
1955

Arithmetic (Fundamentals and Reasoning)
Robert K. Speer and Samuel Smith
Grades 3-6; Forms A and B
Norms
Psychometric Affiliates
Not listed
1939
1958

Arithmetic (Fundamentals and Reasoning)
Robert K. Speer and Samuel Smith
Grades 6-8; Forms A and B
Norms
Psychometric Affiliates
VI. 613
1938
1960

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

Basic Skills in Arithmetic
William L. Wrinkle, Juanita Saunders, and Elizabeth H. Kendall
Grades 6-12; Forms A and B
Norms
Science Research Associates
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

California Arithmetic Test
Ernest W. Tieg and Willis W. Clark
Lower primary, grades 1-2, and upper primary, grades H2-L4, Forms W and X; elementary grades 4-6, and junior high, grades 7-9 Forms W, X, Y, and Z
Norms
California Test Bureau, McGraw-Hill
V, 468; VI, 616
1957
1963

Concept Assessment Kit—Conservation
Marcel L. Goldschimid and Peter M. Bentler
Ages 4-8
Norms
Educational and Industrial Testing Service
1969
None

Cooperative Primary Tests: Mathematics
Not given.
Grades 1-2; Forms 1A and 1B; grades 1.5-3.5; Forms 2A and 2B; grades 3.5-6; Forms 3A and 3B
Spring norms for grade 1, spring and fall norms for grades 2 and 3
Educational Testing Service
Not listed
1965
None

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, measurement)
No norms
California Test Bureau, McGraw-Hill
V, 472
1955
None

Emporia Primary Arithmetic Test
Patricia Pease and Merritt W. Sanders
Grades 1, Forms IA and IB, first semester; Forms IIA and IIB, second semester
Norms
Kansas State Teachers College of Emporia
VII, 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
Kansas State Teachers College of Emporia
VIII, 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
Kansas State Teachers College of Emporia
VIII, 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

Iowa Test of Basic Skills: Test A, Arithmetic Skills
E. F. Lindquist and A. N. Hieronymus, eds.
Grades 3-9; Forms 1-4
Norms
Houghton Mifflin Company
V, 16; VI, 13
Forms 1 and 2, 1955; Forms 3 and 4, 1964
None

Iowa Tests of Basic Skills Primary Battery, Test M, Mathematics Skills
A. N. Hieronymus, E. F. Lindquist, and H. D. Hoover
Grades 1-3; Forms 1 and 2
Norms
Houghton Mifflin Company
Not listed
1972
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
American Guidance Service
<table>
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<tr>
<th>Test Description</th>
<th>Author(s)</th>
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<td>A Mathematics Test for Grades Four, Five and Six</td>
<td>Stanley J. Le Jeune</td>
<td>Grades 4-6</td>
<td>Psychometric Affiliates</td>
<td>1969</td>
<td>None</td>
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<td>Prescriptive Mathematics Inventory</td>
<td>John K. Gessel, et al.</td>
<td>Grades 4 and 5</td>
<td>California Test Bureau, McGraw-Hill</td>
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<td>SRA Achievement Series: Arithmetic Subtests</td>
<td>Louis P. Thorpe, D. Welly Lefever, and Robert A. Nastlund</td>
<td>Grades 1-2, 2-4, 4-6, 6-8</td>
<td>Science Research Associates</td>
<td>1955-58, 1963</td>
<td>None</td>
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<td>California Test Bureau, McGraw-Hill</td>
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<td>California Test Bureau, McGraw-Hill</td>
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<td>1967</td>
<td>A Test of Arithmetic Principles, Elementary Form</td>
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Tests of Basic Experience—Mathematics Test
Margaret H. Moss
Level K (preschool and kindergarten) and Level L (kindergarten and grade 1)
Norms
California Test Bureau, McGraw-Hill
VII, 33, 493
1970

Wisconsin Contemporary Tests of Elementary Mathematics
M. Verre DeVault, Elizabeth Fennema, K. Allen Neufeld, and Lewis B. Smith
Grades 3-4 and 5-6 and beginning 7; Forms A and B for both
Norms
Personnel Press
VII, 495
1967

Junior High

California Survey Series: Survey of Arithmetic Achievement
Ernest W. Tiegs and Willis W. Clark
Grades 7-9
Norms
CTB/McGraw-Hill
VI, 638
1959

Cooperative Mathematics Tests: Arithmetic
Not given
Grades 7-9; Forms A, B, and C
Norms
Educational Testing Service
VI, 607; VII, 515
1962, 1963

Cooperative Mathematics Tests: Structure of the Number System
Not given
Grades 7-9; Forms A and B
Norms
Educational Testing Service
VI, 655; VII, 466
1962, 1963

Emporia Arithmetic Tests, Junior High
Jeileen Engleson and Merritt W. Sanders
Grades 7-9; Forms IA and IB, first semester; Forms IIA and IIB, second semester
Norms
Kansas State Teachers College of Emporia

Mathematics Test (Content Evaluation Series)
Gilbert Ulmer
Junior high school (grades 7-9)
Norms
Houghton Mifflin Company
VII, 475
1969

Minimum Essentials for Modern Mathematics
Ernest Hayes
Grades 6-8; Forms P and Q
Norms
Hayes Educational Test Laboratory

Minnesota High School Achievement Examinations: Mathematics
V. L. Lohmann, ed.
Grades 7-9; three forms, one revised each year
Norms
American Guidance Service, Inc.
VI, 577, 582
1962, 1963

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, TABS-MATH Level C
James C. Young
Grades 7-9; Forms A and B
Norms
Educational and Industrial Testing Service
VII, 492
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
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<tr>
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<td>Trader Brief Survey Test for Arithmetic Skills</td>
<td>Arthur Traxler</td>
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<td>California Achievement Tests, 1970 Edition—Mathematics</td>
<td>Ernest W. Tiegs and Willis W. Clark</td>
<td>Forms A and B, Levels 1, 2, 3, 4, 5 (grades 1.5-12)</td>
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<td>Christofferson-Guiler Analytical Survey</td>
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<td>CTB/McGraw-Hill V, 457</td>
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<td>Comprehensive Tests of Basic Skills—Arithmetic Test</td>
<td>CTB/McGraw-Hill staff</td>
<td>Forms Q and R, Levels 1 (grades 2.5-4), 2 (grades 4-6), 3 (grades 6-8), and 4 (grades 8-12)</td>
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<td>Contemporary Mathematics Test</td>
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<td>Differential Aptitude Tests: Numerical Ability</td>
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<td>Grades 8-12 and adult; Forms L and M</td>
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<td>Houghton Mifflin Company</td>
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<td>1970 Metropolitan Mathematics Tests</td>
<td>Walter N. Durost, Harold H. Bilker, J. Wayne Wrightstone, George A. Prescott, and Irving H. Balow</td>
<td>Elementary, grades 3.5-4.9; intermediate, grades 5.0-6.9; advanced, grades 7.0-9.5; Forms 1 and G</td>
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Harcourt Brace Jovanovich
VII, 14
1970
None

Modern Mathematics Supplement to the Iowa Tests of Basic Skills
E. F. Lindquist, A. N. Hieronymus, and H. D. Hoover
Grades 3-9; 1 Form
Houghton Mifflin Company
VII, 481
1968
None

Modern Math Understanding Test
Vernon S. Larsen, John A. Harris, Joseph G. Guzaitis, James R. Mingey, Patricia L. Mastropier, and Marcia E. Murphy
Primary, grades 1-2; intermediate, grades 3-4; multilevel, grades 4-6, 6-8, 8-9; Forms C and D
Science Research Associates
VII, 485
Multilevel, 1966; primary and intermediate levels, 1968
None

Peabody Individual Achievement Test: Mathematics Subtest
Lloyd M. Dunn and Frederick C. Markwardt, Jr.
Kindergarten through adult. One form.
Norms
American Guidance Service
Not listed
1970
None

Sanders-Schrader General Mathematics Test
H. Eugene Schrader and Merritt W. Sanders
High school and college; Forms IA and IB, first semester;
Forms IIA and IIB, second semester
Norms
Kansas State Teachers College of Emporia
VII, 486
1964
None

Scholastic Testing Service Educational Development Series: Mathematics
Oliver F. Anderhalter
Grades 2-3, Form A; grades 4-6, Form A; grades 6-9, Form A and B; grades 9-12, Forms A and B
Norms
Scholastic Testing Service
V, 484
1963, 1965
1972 (scheduled)

Stanford Modern Mathematics Test
Truman L. Kelly, Richard Madden, Eric F. Gardner, and Herbert C. Rudmann
Intermediate II, grades 5.5-6.9; advanced, grades 7.0-9.5
Norms
Harcourt Brace Jovanovich
VII, 490
1965
None

STEP Series II Mathematics Computation
Not given
Grades 4-12; Forms 4A, 4B; 3A, 3B; 2A, 2B; 1A, 1B
Norms
Educational Testing Service
Not listed
1969
None

STEP Series II Mathematics Basic Concepts
Not given
Grades 4-14; Forms 4A, 4B; 3A, 3B; 2A, 2B; 1A, 1B
Norms
Educational Testing Service
Not listed
1969
None

High School, General

Ernest W. Tieg and Willis W. Clark
Grades 9-12, Advanced; Forms W, X, and Y
Norms
California Test Bureau, McGraw-Hill
VI, 584
1957, 1963
1963

California Survey Series: Survey of Mathematics Achievement
Ernest W. Tieg and Willis W. Clark
Grades 9-12
Norms
California Test Bureau, McGraw-Hill
VI, 591
1959
None

Cardall Junior Math Reasoning Test
Alfred I. Cardall
Grades 10-12; Forms X and Y
Norms
Cardall Associates
VI, 580
1943
None

Cornell Critical Thinking Test, Level Z
Robert H. Ennis and Jason Millman
Grades 11-12, College
Norms
Critical Thinking Project, Education Building, University of Illinois, Urbana, Illinois 61801

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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
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
Not listed
1971
None

Metropolitan High School Mathematics Test
Walter N. Durost, William H. Evans, James D. Leake, Howard A. Bowman, Clarke Cosgrove, and John D. Read
Grades 9-13; Forms Am, Bm
Norms
Harcourt Brace Jovanovich
VI, 586; VII, 479
1962
None

Minnesota High School Achievement Examination: Advanced Mathematics
V. L. Lohmann, ed.
Three forms, one revised each year
Norms
American Guidance Service
VI, 593
1952

Stanford High School Mathematics Test
Eric F. Gardner, Jack C. Merwin, Robert Callis, and Richard Madden
Grades 9-12; Forms W and X
Norms
Harcourt Brace Jovanovich
VII, 489
1965-66
None

Tests of Academic Progress: Test 5, Mathematics
Dale P. Scannell, ed.
Grades 9-12; Forms 1 and 2
Norms
Houghton Mifflin Company
VII, 491
1964
None

Tests of Academic Progress: Test 5, Mathematics, Form 5
Dale P. Scannell, ed.
Grades 9-12; Form 5
Norms
Houghton Mifflin Company
VII, 491
1971
None

Algebra

Algebra Test for Engineering and Science
A.B. Lonski
High school and college
Norms
Psychometric Affiliates
Not listed
1958
1961

Blyth Second Year Algebra Test
M. Isobel Blyth
Grades 9-12; Forms E and F
Norms
Harcourt Brace Jovanovich
V, 443; VII, 497
1953
1966

Breslich Algebra Survey Test
E. R. Breslich
First and second semesters; Forms A and B
Norms
Bobbins-Merrill Company
II, 1435
1930, 1931
None

California Algebra Aptitude Test
Noel Keys and Muriel McCrum
One form
Norms
American Guidance Service
IV, 385
1941
1958

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
VI, 594; VII, 500, 501
I, II, 1962; III, 1963
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. Hlavaty
Secondary school
Norms
Psychometric Affiliates
VI, 600
1958
1962

Illinois Algebra Tests
Charles H. Shutter
Test I, first semester final; II, second semester midterm;
III, second semester final
Norms
Bobbs-Merrill Company
V, 540
I, 1955; II, III, 1958
None

Iowa Algebra Aptitude Test
H. 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 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

Mid-Year Algebra Test
Not Given
Grades 8-12
Norms
Harcourt Brace Jovanovich
VII, 509
1968
None

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

Modern Algebra Test (Content Evaluation Series)
Gerald S. Hanna
Grades 9-12
Norms
Houghton Mifflin Company
Not listed
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

Survey Test of Algebraic Aptitude
Robert E. Dinkel
Grades 7-9
Norms
California Test Bureau, McGraw-Hill
VI, 602
1959
None

Tucker-Sanders First Year Algebra Test
Charles B. Tucker and Merritt W. Sanders
Grades 9-12; Forms IA and IB, first semester; Forms IIA and IIB, second semester
Norms
Kansas State Teachers College of Emporia
VII, 511
1964
None

Votaw Algebra Test
David F. Votaw, Sr., and David F. Votaw, Jr.
Grades 9-12; Forms D, E, and F
No norms
Steck-Vaughn Company
II, 1446; III, 329; VI, 603
1939
1959

Geometry

Cooperative Mathematics Tests: Geometry
Not given
High school; Forms A and B
Norms
Educational Testing Service
VI, 645; VII, 533
1962, 1963
None

Cooperative Mathematics Tests: Analytic Geometry
Not given
High school and college; Forms A and B
Norms
Educational Testing Service
VI, 643; VII, 532
1963
None

Howell Geometry Test
Edgar N. Howell
Grades 9-12; Forms A and B
Norms
Harcourt Brace Jovanovich
VII, 536
1969
None

Iowa Plane Geometry Aptitude Test
H. A. Greene and H. W. Bruce
Grades 9-10, Pregeometry
No norms
Bureau of Educational Research and Service, University of Iowa
II, 1469; III, 360; VII, 537
1931
1969

Mid-Year Geometry Test
Not given
Grades 9-12
Norms
Harcourt Brace Jovanovich
VII, 538
1968
None

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

Modern Geometry Test (Content Evaluation Series)
Gerald S. Hanna
Grades 9-12
Norms
Houghton Mifflin Company
Not listed
1971
None

Orleans-Hanna Geometry Prognosis Test
Joseph B. Orleans and Gerald S. Hanna
Grades 8-11
Norms
Harcourt Brace Jovanovich
VII, 539
1968
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
Tucker-Sanders Plane Geometry Test
Charles B. Tucker and Merritt W. Sanders
Grades 9-12, college freshmen; Forms 1A and 1B, first
semester; Forms II A and II B, second semester
Norms
Kansas State Teachers College of Emporia
VII, 541
1964
None

Trigonometry

Cooperative Mathematics Tests: Trigonometry
Not given
High school and college; Forms A and B
Norms
Educational Testing Service
VI, 657; VII, 543
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

Plane Trigonometry
Ray Webb and Julius H. Hlavaty
Secondary school
Norms
Psychometric Affiliates
VI, 656
1960
None

Rasmussen Trigonometry Test
Otho M. Rasmussen and O. J. Peterson
Forms A and B
Norms
Kansas State Teachers College of Emporia
V, 501; Tests in Print, 1134
1951
None

College-related

ACT Mathematics Placement Examination
Not given
College placement
Local norms recommended

American College Testing Program
VII, 449
1968
None

Advanced Placement Program—Calculus AB, Calculus BC
Not given
College level: Most recent form offered for local administration to college students. Not available to high schools.
Norms
Educational Testing Service
VI, 570; VII, 451, 662
1954
1972

Arithmetic Test for Propsective Nurses
Thelma Hunt
High school graduates
Norms
The 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

CLEP General Examination in Mathematics
Not given
College accreditation or placement; 2 forms
Norms
Educational Testing Service
Not listed
1972
None

CLEP Subject Examination in College Algebra
Not given
College accreditation or placement; 2 forms
Norms
Educational Testing Service
VII, 498, 664
1968
None

CLEP Subject Examination in Trigonometry
Not given
College accreditation or placement; 2 forms
Norms
Educational Testing Service
VII, 542, 664
1968
None
CLEP Subject Examination in College Algebra and Trigonometry
Not given
College accreditation or placement; 1 form
Norms
Educational Testing Service
VII, 454, 664
1968
1970

CLEP Subject Examination in Introductory Calculus
Not given
College accreditation or placement; 1 form
Norms
Educational Testing Service
VII, 530, 664
1964
None

CLEP Subject Examination in Statistics
Not given
College accreditation or placement; 2 forms
Norms
Educational Testing Service
VII, 545, 664
1967
None

Cooperative Mathematics Tests: Calculus
Not given
High school and college; Forms A and B
Norms
Educational Testing Service
VI, 654; VII, 531
1963
None

Doppelt Mathematical Reasoning Test
J. E. Doppelt
Graduate student and personnel selection (high-level measure of numerical reasoning ability)
Norms
The Psychological Corporation
VI, 456; VII, 349
1954
1968

Educational Skills Test/College Edition—Mathematics Test
CTB/McGraw-Hill staff
Designed for entering college students
Norms
California Test Bureau, McGraw-Hill
Not listed
1971
None

McGraw-Hill Basic Skills System—Mathematics Test
CTB/McGraw-Hill staff
Forms A and B, grades 10-14
Norms
California Test Bureau, McGraw-Hill
VII, 477
1970
None

Purdue Industrial Mathematics Test
Adult; Forms A and B
Norms in Manual
The University Book Store
III, 314; Tests in Print, 971
1946
None

Kansas Mathematics Test (Arithmetic and Algebra)
H. E. Schramm
High school and college freshmen; Forms A and B
Norms
Kansas State Teachers College of Emporia
II, 1457; Tests in Print, 961
1939
1953-1955
DIRECTORY OF PUBLISHERS

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.
4300 West 62d Street
Indianapolis, Indiana 46268

Bureau of Educational Research and Service
Division of Extension and University Services
The University of Iowa
Iowa City, Iowa 52240

California Test Bureau
Division of McGraw-Hill Book Co.
4300 Del Monte Research Park
Monterey, California 93940

Cardell Associates
11 Charlton
Princeton, New Jersey 08540

The Center for Psychological Service of George Washington University
1835 Eye Street, NW
Washington, D.C. 20006

Cornell Critical Thinking Project
Cornell University
107 Stone Hall
Ithaca, New York 14850

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

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

Educational Records Bureau
116 Maple Avenue
Greenwich, Connecticut 06830

Educational Testing Service
P.O. Box 999
Princeton, New Jersey 08540

1947 Center Street
Berkeley, California 94704

Harcourt Brace Jovanovich, Inc.
757 Third Avenue
New York, New York 10017

Hayes Educational Test Laboratory
7040 Portsmouth Avenue, North Portland, Oregon 97203

Houghton Mifflin Company
53 West 43d Street
New York, New York 10036

777 California Avenue
Palo Alto, California 94304

666 Miami Circle, NE
Atlanta, Georgia 30324

1900 South Balava Avenue
Geneva, Illinois 60134

110 Tremont Street
Boston, Massachusetts 02107

6626 Oakbrook Boulevard
Dallas, Texas 75325

Indiana University
School of Education
Education Building
Bloomington, Indiana 47401

Kansas State Teachers College of Emporia
Bureau of Educational Measurements
1200 Commercial Street
Emporia, Kansas 66801

Personnel Press
191 Spring Street
Lexington, Massachusetts 02173

Psychometric Affiliates
Box 3167
Munster, Indiana 46321

The Psychological Corporation
304 East 45th Street
New York, New York 10017

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

Science Research Associates, Inc.
259 East Erie Street
Chicago, Illinois 60611

Steck-Vaughn Company
P.O. Box 2028
Austin, Texas 78767

The University Book Store of Purdue University
360 State Street
West Lafayette, Indiana 47906

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Bank of Objectives, Items, and Resources

The Bank of Objectives, Items, and Resources is designed to provide a set of 2,000 objectives in mathematics classified by topic, subtopic, grade level, taxonomy level, and enabling and terminal levels. Each objective is associated with items to develop evaluation instruments to determine if students have mastered the behavioral objectives. The objectives are also associated with instructional resources which may be used to teach students the objectives. The classification of objectives is available in a computerized bank which can help the users quickly locate the identification numbers of objectives, items, and resources of interest to them.

Addresses:
Inside New York State
Dr. Robert P. O'Reilly
Division of Research
New York State Education Department
Albany, New York 12224
Comprehensive Achievement Monitoring

Comprehensive Achievement Monitoring (CAM) provides test results to teachers as information to help them make decisions about their students and their courses. CAM uses criterion-referenced test items (for which behavioral objectives have been previously defined), item-examinee sampling, and frequent test administrations. CAM provides information, analyzed and reported by computer, about individual students' achievement on each objective before instruction, immediately after instruction, and long after instruction; and about a group's achievement on all course objectives at each test administration.

Address:
Dr. William Gorth
Center for Educational Research
School of Education
University of Massachusetts
Amherst, Massachusetts 01002

Instructional Objectives Exchange: Objective Collection in Mathematics, Grades K-12

Consists of a number of instructional objectives based upon curricular materials and a pool of items to assess the attainment of the objectives. Content areas include sets, numbers, numerals, and numerative systems, operations and their properties, measurement, geometry, relations, functions, and graphs, probability and statistics, applications and problem solving, and mathematical sentences, order and logic.

Address:
Instructional Objectives Exchange
Box 24095
Los Angeles, California 90024

Pennsylvania Retrieval of Information for Mathematics Education System (PRIMES)

One purpose of PRIMES is to provide school districts with information to aid in textbook selection and curriculum evaluation in a manner consistent with local needs. PRIMES consists of a lesson-by-lesson analysis of many basal programs, grades K-6. Each lesson is analyzed according to mathematical content, expected pupil behavior, and problem type. Technical vocabulary and symbolism are noted. The PRIMES Mathematics Content Authority List: K-6 contains a list of concepts and skills currently taught in elementary schools. Sample tests are also included.

The mathematics subtests of 10 widely used standardized tests have been analyzed item-by-item and related to the Content Authority List: K-6. Additional services being developed include the use of the computer to monitor pupil achievement and a pupil test-scoring service indicating the concepts mastered and not mastered on any one of several widely used standardized achievement tests.

Address:
Dr. Emanuel Berger
PRIMES Project
P.O. Box 911
Harrisburg, Pennsylvania 17126

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. Also included are files on American and foreign publishers, references to test reviews, and selected references on tests and test evaluations. Qualified persons, whether affiliated with ETS 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.

Address:
Test Collection
Educational Testing Service
Princeton, New Jersey 08540
REFERENCES

Buros, Oscar Krisen, ed. The Mental Measurements Yearbook series. Gives comprehensive lists of tests with reviews.


Cronbach, Lee J. "Evaluation for Course Improvement." Teachers College Record 64, no. 8 (1963).


Klein, Stephen P. "The Uses of Limitations of Standardized Testing in Meeting the Demands for Accountability." Evaluation Comment 2, no. 4 (1971), pp. 1-6.†


*Evaluation Comment is a publication of the Center for the Study of Evaluation, 145 Moore Hall, University of California at Los Angeles, Los Angeles, Calif., 90024.
†See preceding note.
‡This publication, ED 050 176, is available in microfiche ($0.65) or hardback ($3.29) from ERIC, USOL, 400 Maryland Avenue, SW, Washington, D.C. 20002.