This booklet contains the following bibliographic materials for elementary school personnel—(1) professional materials for elementary teachers which have been published since 1960, (2) recent elementary mathematics materials for parent education, (3) a library booklist for grades K-6, and (4) recent publications of elementary mathematics series. A directory of publishers concludes the booklet. The publication was designed to be used as a reference for parent and teacher education workshops and as a personal reference or teachers. Brief descriptions of a number of the publications are included. Descriptive information for each document usually includes the major contents, the source, the publication date, and the price. (RP)
BIBLIOGRAPHIES

ELEMENTARY SCHOOL MATHEMATICS

OFFICE OF THE SUPERINTENDENT OF PUBLIC INSTRUCTION
RAY PAGE
SUPERINTENDENT

TITLE III, NDEA
PAUL E. WOODS, DIRECTOR

316 South Second Street, Springfield, Illinois
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Professional Books for Elementary Teachers
Recent Materials for Parent Education
Library Books for Grades K - 6
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Addresses of Publishers

Prepared by Frances Hewitt and Richard C. Meckes
PROFESSIONAL MATERIALS

FOR

ELEMENTARY TEACHERS
MODERN MATHEMATICS: RECENT PROFESSIONAL MATERIALS FOR ELEMENTARY TEACHERS

The following list of professional materials for elementary teachers is to be considered neither as a recommended nor as a complete list. With a few exceptions, only materials published since 1960 have been included. Addresses of publishers are included as a last section of these materials.

Banks--Learning and Teaching Arithmetic. Allyn and Bacon, 1964. $9.95. For teachers who already have background knowledge of concepts and would like to go further.


Davis--Discovery in Mathematics. Addison-Wesley. Teachers edition $8.00. Students edition $2.48. Materials from the Madison Project, directed by Dr. Robert Davis of Syracuse University and Webster College. Methods as well as content for enriching the usual school program.


GCMP--Key Topics in Mathematics for the Primary Teacher. Science Research Associates, 1962. Introduces modern concepts basic to the primary program. $2.40.

Gibb and Schurrer--Foundations of Mathematics for Elementary School Teachers, State College of Iowa. Mathematics text with some discussion of questions relating to the new elementary curriculum. Not available until revision is published.


Hartung, Van Engen, Knowles, and Gibb--Charting the Course in Arithmetic. Scott-Foresman, 1960. $2.00. Methods text and guide on topics to be covered in the arithmetic curriculum.

Hartung, Van Engen, Stockl--The Foundations of Elementary School Arithmetic. Scott-Foresman, 1965. $6.75. Planned to provide mathematical background for elementary teachers.


May, Lola--How to Teach the New Math (K-6). Teachers Publishing Company, 1965. 7 Books. $1.95 each.


NCTM--The Arithmetic Teacher. National Council of Teachers of Mathematics. Magazine, 8 issues per year. $5.00 for individuals; $7.00 for institutions. An excellent magazine for all elementary teachers.


Page--Number Lines, Functions, and Fundamental Topics. Macmillan, 1965. $3.80. First in a series of monographs on the teaching of elementary mathematics by Davis A. Page, Director of the University of Illinois Arithmetic Project.


Grade 1 Teacher's Materials
(Includes Parts I-II; Part III, Levels 1-2; First Grade Diary) $11.50

Grade 2 Teacher's Materials
(Includes Parts I-II; Part III, Levels 3-4) $9.00

Grade 3 Teacher's Materials
(Includes Parts I-II; Part III, Levels 5-6) $9.00

Materials from the Miquon Project, directed by Lore Rasmussen. Suggestions for inexpensive construction of concrete devices, as well as ideas for specific games and activities.


Book K, Teacher's Commentary. ($1.50 per copy)
Book 1, Student's Text. ($1.50 per copy)
Book 1, Teacher's Commentary. ($3.00 per copy)
Book 2, Student's Text. ($1.50 per copy)
Book 2, Teacher's Commentary. ($3.00 per copy)
Book 3, Student's Text, Part I and II ($3.00 per set)
Book 3, Teacher's Commentary, Parts I and II ($3.00 per set)
Grade 4, Student's Text, Parts I and II ($3.00 per set)
Grade 4, Teacher's Commentary, Parts I and II ($3.00 per set)
Grade 5, Student's Text, Parts I and II ($300 per set)
Grade 5, Teacher's Commentary, Parts I and II ($3.00 per set)
Grade 6, Student's Text, Parts I and II ($3.00 per set)
Grade 6, Teacher's Commentary, Parts I and II ($3.00 per set)
Studies in Mathematics: Concepts of informal Geometry (SM-5) ($1.45) 
Studies in Mathematics: Number Systems (SM-6) ($2.40) 
Studies in Mathematics: Intuitive Geometry (SM-7) ($1.35) 
Studies in Mathematics: Concepts of Algebra (SM-8) ($2.40) 


Swain and Nichols--Understanding Arithmetic. Holt, Rinehart and Winston, 1965. $5.95. Revision of the text written by the late Dr. Robert L. Swain of Rutgers, the State University. 


Trivett--Mathematical Awareness, Parts I and II. Encyclopedia Britannica Press, Inc., 1962. $2.00. Suggested teaching methods based upon the Cuisenaire rods.


Wirtz, et al--Math Workshop: Games and Enrichment Activities. Encyclopedia Britannica Press, 1964. $.95, for each grade level, A, B, C, D, E, and F. Suggested activities and techniques that can be used with any program. A separate booklet for each level.

RECENT MATERIALS
FOR
PARENT EDUCATION
MODERN ELEMENTARY MATHEMATICS FOR PARENTS

This bibliography for parents includes all of the recent books that have come to our attention, but is not be considered as a recommended list. Many of the books may be considered for the professional library for elementary schools.


Denny--Modern Math for Elementary Teachers. Denny Press. $2.00.


Huber and Woods--New Mathematics and How to Understand It. Kenworthy Educational Series. $1.00.


Lloyd--Modern Math for Puzzled Parents. Rockford Morning Star. $.50.

McCabe--An Introduction to Modern Elementary Mathematics. Roanake Center Press. $1.00.

Matthews--Modern Mathematics: A Primer for Parents. Graphic Center West. $2.50.


NEA--The New Mathematics (8 page folder, 35 copies for $1.00). National Education Association.


SMSG--"Very Short Course in Mathematics for Parents". $.25.


Trafton--"Insight into Modern Mathematics". John Colburn Associates. $.50.

"What Everyone Should Know About the "New Math", 15 pp. (1 to 9 copies, $.75 each; 10 to 99 copies $.50 each; 100 or more $.40). Channing L. Bete.

The following books and pamphlets are related to specific programs; however, they may be used to give an overview of modern techniques basic to other programs.

"When Parents Ask About Arithmetic Today". Scott-Foresman. 25 copies for $2.00.

"What About This Modern Mathematics Business?" American Book Company. 100 copies for $15.00.

"Revolution in the Third R". Science Research Associates. 20 copies for $1.40.


A First Look at Modern Mathematics. Addison-Wesley.
LIBRARY BOOK LIST FOR GRADES K-6

This short bibliography has been prepared to give some idea of the different types of books that can be used to improve and to enrich the study of mathematics in Grades K-6. This list is to be considered neither definitive nor exhaustive. For Grades K-3, books that introduce concepts of number, shape, size, etc., are suggested for mathematics. Obviously, it is not possible to include all such books on this list. These books were all in print in 1965. The list prices were taken from the one-volume publication, Books in Print in 1965.

GRADES K-3


Baer, Howard—Now This, Now That. Holiday House, 1957. $2.75. Develops concepts of big, little, up, down, taller, straight, under, on, far, and near.

Barr, Catherine—Seven Chicks Missing. Walck, 1962. $2.75. Develops concept of one less.

Baum, Arline—One Bright Monday Morning. Random House, 1962. $2.50. (Preschool) Helps children learn days of week as well as numbers.


Beim, Lorraine and Jerrold—Two Is a Team. Harcourt-Brace, 1949. $2.75. Experiences in counting, measuring, and comparison of size.

Berkley, Ethel—The Size of It. Hale, 1961. $2.95. Non-numerical arithmetic—tallness, etc.

Berkley, Ethel—Big and Little, Up and Down. $1.88. Develops early concepts of absolute and relative size and direction.

Bianco, Pamela—The Doll in the Window. Walck, 1953. $2.75. Brings out comparison of sizes.

Bishop, Claire—Five Chinese Brothers. Hale, 1938. $2.60. Ideas of cardinal and ordinal numbers.
This short bibliography has been prepared to give some idea of the different types of books that can be used to improve and to enrich the study of mathematics in Grades K-6. This list is to be considered neither definitive nor exhaustive. For Grades K-3, books that introduce concepts of number, shape, size, etc., are suggested for mathematics. Obviously, it is not possible to include all such books on this list. These books were all in print in 1965. The list prices were taken from the one-volume publication, Books in Print in 1965.

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Baer, Howard--Now This, Now That. Holiday House, 1957. $2.75. Develops concepts of big, little, up, down, taller, straight, under, on, far, and near.

Barr, Catherine--Seven Chicks Missing. Walck, 1962. $2.75. Develops concept of one less.

Baum, Arline--One Bright Monday Morning. Random House, 1962. $2.50. (Preschool) Helps children learn days of week as well as numbers.


Beim, Jerrold--The Smallest Boy in the Class. Wm. Morrow, 1949. $2.75. Develops idea of comparisons of size: big, biggest, small, smallest, tiny, tall, and tallets.

Beim, Lorraine and Jerrold--Two Is a Team. Harcourt-Brace, 1949. $2.75. Experiences in counting, measuring, and comparison of size.

Berkley, Ethel--The Size of It. Hale, 1961. $2.95. Non-numerical arithmetic--tallness, etc.

Berkley, Ethel--Big and Little, Up and Down. $1.88. Develops early concepts of absolute and relative size and direction.

Bianco, Pamela--The Doll in the Window. Walck, 1953. $2.75. Brings out comparison of sizes.

Bishop, Claire--Five Chinese Brothers. Hale, 1938. $2.60. Ideas of cardinal and ordinal numbers.
GRADES K-3

Bishop, Claire--Twenty-two Bears. Viking, 1964. $2.62. Concepts of numbers in groups from 1 to 22.

Bragdon, Lillian J.--Tell Me the Time, Please. Lippincott, 1936. $2.75. For the child who is learning to tell time.


Budney, Blossom--A Cat Can't Count. Lothrop, Lee and Shepard, 1962. $2.00. Counting through word and number association.

Carona and Gehr--The True Book of Numbers. Children's Press, 1964. $2.00.

Chalmers, Audrey--Hundreds and Hundreds of Pancakes. Viking Press, 1942. $2.00. Ideas of size, comparison, position, and measurement.

Colman, Hila--Watch That Watch. Wm. Morrow, 1962. $3.25. Fun story that shows the importance of time in everyday life.


Corcos, Lucille--Joel Spends His Money. Abelard-Schuman Ltd., 1954. $2.75. A boy learns to save his allowance to shop for his own toys.

DeRegniers, Beatrice Schenk--Cats Cats Cats Cats Cats. Pantheon Books, 1958. $2.95. Concepts of under, on, beneath, among, in, are explained.


Elkin, Benjamin--The True Book of Money. Children's Press, Inc., 1960. $2.00. An interesting presentation for youngsters about barter, United States money, used of money, saving money, kinds of money, and check writing.


Fishers, Murgery M.--One and One. Dial, 1963. $2.50. What numbers are and how they work.
GRADES K-3


Friskey, Margaret--Chicken Little, Count to Ten. Children's Press, 1960. $2.50. Animals introduced in groups of 1 to 10.

Friskey, Margaret--The Mystery of the Farmer's Three Fives. Children's Press, 1963. $2.50. A new approach to number concepts of few and many and relative size groupings.

Friskey, Margaret--Seven Diving Ducks. Hale. $2.55. Emphasizes counting.

Gag, Wanda--Millions of Cats. Coward-McCann, 1928. $2.52. Idea of millions, billions, trillions, long time, over and around and through.

Gag, Wanda--Nothing at All. Coward-McCann, 1941. $2.52. A delightful story about an invisible dog that may help in developing the concept of zero.

Geisel, T.S. (Dr. Seuss)--The 500 Hats of Bartholomew Cubbins, Vanguard Press. $2.95. A good exercise in counting and adding.

Geisel, T.S. (Dr. Seuss)--One Fish, Two Fish, Red Fish, Blue Fish, Random, 1960. $2.19.

Geisel, T.S. (Dr. Seuss)--Yertle the Tyrtle and Other Stories. Random, 1958. $2.97. Concepts of comparison amusingly shown.

Gregor, Arthur--1, 2, 3, 4, 5... Lippincott, 1956. $3.50. A beautiful and original counting book.

Hoberman, Mary and Norman--All My Shoes Come in Twos. Little, 1957. $2.79. Concept of two in rhymed story.

Hogan, Inez--Twin Lambs. E.P. Dutton, $2.25. Develops the ideas of same size, same age, same shape, together, and distance.

Holden--All About 5. Random House. $1.95.


Karasz, Ilonka--The Twelve Days of Christmas. Harper, 1949. $3.11. Verses and pictures are used to illustrate each grouping from this song.

Kay, Helen--One Mitten Lewis. Lothrop, 1955. $2.95. Use of pair, both, one, each, first, next.


GRADKES K-3

King, Robin.--Just the Right Size. E.P. Dutton, 1957. $2.25. Good for size comparison.

Kohn, Bernice.--Everything Has a Shape. Prentice, 1964. $2.84. Book about sizes.


Kruss, James.--Three by Three. 1965. $2.50. A picture book for children who can count to three.


Kuskin, Karla.--Square As a House. Harper, 1960. $2.73.


Larsen, H. and Wheat, H.--Enrichment Program for Arithmetic, Grade 3. Harper and Row, 1960. $1.80. Set of 8 pamphlets covering presentation of concepts, puzzles, etc.


Lianni, Leo--Inch by Inch. Obolensky. $3.95. An inchworm measures a robin's tail, a flamingo's neck, a heron's legs, and the whole of a hummingbird.


McLeod, Emilie W.--One Snail and Me. Little, 1961. $2.95. About toy animals waiting to be counted.


Merwin, Decie--Time for Tammie. Walck, 1946. $2.75. How to tell time taught with games.


Myller, Rolf--How Big Is a Foot. Atheneum, 1962. $2.95. Helpful in presenting linear measurement.

GRADES K-3

Rand, Ann--Little 1. Harcourt-Brace, 1962. $3.36. (Preschool) Little 1 enters groups and relationships with other figures to produce new mathematical concepts.


Schlein, Miriam--Heavy Is a Hippopotamus. William R. Scott, 1954. $2.06. Presents weight concepts—an ant has trouble with a crumb, while an elephant can move a box car.

Schlein, Miriam--Shapes. It's About Time. Hale, 1961. $2.80. What is time? Can you see it?

Schlein, Miriam--Fast is Not a Ladybug. Wm. Scott, 1961. $2.75. Shows relative meaning of speed.

Schneider, Herman and Nina--How Big Is Big: From Stars to Atoms (1-4). Wm. Scott, 1946. $2.25. Concepts of relative sizes.

Shapp, Martha and Charles--Let's Find Out What's Light and What's Heavy. Franklin Watts, 1961. $2.50. Simple explanation of how things are weighed.

Shapp, Martha and Charles--Let's Find Out What's Big and What's Small. Hale. $3.05. Introduction to size and comparison.


Slobodkin, Louis--One It Good But Two Are Better. Vanguard, 1956. $2.95. Ideas of one and two are developed.


True, Louise--Number Men, Children's Press, 1962. $2.50. Directions for writing the number symbols from one to ten given in verse.

Tudor, Tasha--Around the Year. Walck, 1957. $3.25. Each month described in verse.

Vogel, Ilse Margaret--1 Is No Fun, But 20 Is Plenty! Athenium, 1965. $2.74.


Watson, Nancy--Annie's Spending Spree. Hale, $1.86. How Annie spent the dollar she got for her birthday.

Watson, Nancy--What is One? Knopf, 1957. $2.49. Meaning of numbers from 1 to 10.


Wondriska--1, 2, 3, A Book to See. Random, 1958. $2.09.


Ziner, Feenie and Thompson, E.--True Book of Time. Children's Press, 1956. $2.00. Helps the child to learn to tell time.


Zolotow, Charlotte--Over and Over. Harper, 1957. $2.75. Ideas of time developed through holidays.
Holt, Rinehart, Winston publishers three sets of classroom readers designed to supplement and extend children's learning activities in the four primary areas of instruction: science, mathematics, literature and social studies. These books are sold only in complete sets. Only the titles of the mathematics books are included in this bibliography.

1. Little Owl Books (1963) (Set of 40 books) (K-2) (Net to Schools f.o.b. shipping point)

   Captain Murphy's Tugboats
   by William Hall

   Five Is 5
   By Howard F. Fehr

   Going Up, Going Down
   By H.R. Wittram

   One, Two, Three, Four
   By Ruby Schuler and Kate Considine

   Poems for Counting

   Round Is a Pancake
   By Joan Sullivan

   Ten Pennies for Candy
   By Henry Ritchet Wing

   This Is My Family
   By Howard F. Fehr

   Three Little Dachshunds
   By Margaret Otto

   What Is Big?
   By Henry Ritchet Wing

2. Young Owl Books (1964) (Grades 2, 3, and 4) (Set of 40 books) (Net to schools f.o.b. shipping point)

   Counting Lightly
   By Leonard Simon

   Delight in Number
   Complied by Leland B. Jacobs

   Eleven and Three Are Poetry
   Complied by Sally Nohelty

   Four Three Are 12
   By H.R. Wright
GRADES K-6

Fun With the Calendar
By Henry W. Ford

If You Can Count to 10
By Howard F. Fehr

A Maker of Boxes
By H.R. Wright

Stretching Numbers
By Leonard Simon

Twenty White Horses: A Book of Division
by Eldon Grant

Two Knots on a Counting Rope: A Navaho Counting Book
By Walter S. Carpenter and Philip Bluehouse

3. Wise Owl Books (1965) (Grades 4, 5, and 6) (Set of 20 books) (Net to schools f.o.b. shipping point)

Adding, Subtracting, Diving and Multiplying

Fun with Fractions
By Henry W. Ford

Lines, Segments and Rays
By Howard Fehr

Maps, Charts and Codes

Mental Arithmetic
By Olive Berg


Asimov, Isaac--Realm of Measure. Houghton-Mifflin, 1960. $3.00. History of measurement from earliest times to present scientific refinements.

Asimov, Isaac--Realm of Numbers. Houghton-Mifflin, 1959. $2.75. Begins with finger counting and progresses through square root logarithms, rational and irrational numbers, and on to infinity. Grade 6 and up.


Bell, Thelma--Snow. Viking, 1954. $3.04. Ideas of geometry presented through study of snowflakes.


Bendick, Jeanne and Levin, Marcia--Take Shapes, Lines and Letters. Whittlesey, 1962. $3.06. Introduction to simple geometric figures and ideas.


Bradley, Duane--Time for You: How Man Measures Time. Lippincott. $2.75. The story of how man has learned to measure time.

Brandes, Louis Grant--Geometry Can Be Fun. J. Weston Walch. $3.00. A collection of varied illustrations, puzzles, activities, etc. Most are of the elementary level.
Brandes, Louis Grant--4 the Math Wizard. J. Weston Walch, 1962. $3.00. Contains a varied assortment of enrichment activities.

Brandes, Louis Grant--Math Can Be Fun. J. Weston Walch. $3.00. Contains a varied collection of games, enrichment activities, puzzles, etc.

Brindze, Ruth--The Story of Our Calendar. Vanguard, 1949. $3.50. The calendar, time, keeping, latitude and longitude.

Buehr, Walter--Keeping Time. John Day, $2.86. How the concept of time was developed and how it is measured.

Carona, Philip--Things That Measure. Prentice-Hall, 1962. $3.50. History of measuring devices briefly sketched from origin of ruler to instruments that can measure a speck of dust.

Clark, Mary Lou--You and Relativity. Children's Press. $2.50. From the question "What is up?" to Einstein's Theory.


Diggins, Julia--String, Straightedge, and Shadow. Viking.$5.00. The story of geometry. Illustrated by Corydon Bell.


Epstein, Sam and Epstein, Beryl--The First Book of Measurement. Watts, 1960. $1.95. Describes the nature of measurement, the need for precise language which can be understood, and the development of the various systems of measurement.

Feravolo, Rocco--Wonders of Mathematics. Dodd-Mead, 1963. $3.00. Includes simple activities and problems concerning development of number systems and mathematics.

Freeman, Mae and Ira--Fun with Figures. Random, 1946, $1.95. Fun with geometric figures. Photographs and diagrams.


Friend, J.N.--Numbers: Fun and Facts. Scribner, 1954. $3.50. Attempts to show that the study of numbers is interesting and fascinating.


Gardner, Martin--Archimedes: Mathematician and Inventor. Macmillan, 1965. $3.24. The amusing "Eureka!" legend of Archimedes in the bathtub narrated along with the important scientific discoveries and inventions credited to this ancient Greek.
Gardner, Martin--Arrow Book of Brain Teasers. Scholastic Book Services, 1959. $0.35. Simple puzzles for elementary children.

Gardner, Martin--Mathematical Puzzles. Crowell, $2.50. Arithmetic, plane and solid geometry, and money puzzles. How to solve them.


Harvey, Tad--The Quest of Archimedes. Doubleday, 1962. $3.25. How Archimedes applied pure mathematics to the physical world and how he influenced science and technology.

Hatcher, Charles--What Shape Is It? Children's Press, 1965. $3.25. The usual and unusual shapes we see every day. Math tricks and puzzles.


Houston and DeVault--Sir Isaac Newton. Steck-Vaughn Company. $2.00. Picture biography of Newton's childhood, education, and principal discoveries.

Hughes, Toni--Fun with Shapes in Space. Dutton, 1960. $5.95. Art book showing shapes. Ability to apply concepts of measurement is needed.

Hutchinson, William M.--Time. Follett. $1.53. Contributions of various cultures to advancements in telling time.


Johnson, Donovan and Glenn, W.H.--Exploring Mathematics on Your Own. Doubleday. §4.50. Enrichment topics for mathematics. Topics also available as separate pamphlets. (See next entry)


Sets, Sentences and Operations
The Pythagorean Theorem
Topology - the Rubber-Sheet Geometry
Understanding Numeration Systems
Fun with Mathematics
Number Patterns
Invitation to Mathematics
The World of Statistics
Short-Cuts in Computing
Computing Devices
The World of Measurement
Adventures in Graphing


Jonas, Arthur--More New Ways in Math. Prentice-Hall, 1964. $3.50. Theories of the new math are developed by examples in the text and line drawings. Logical successor to New Ways in Math.


Kettlekamp, Larry--Spirals. Prentice-Hall, 1964. $3.50. Introduction to concepts of spacial relationships.


Larsen--Enrichment Program for Arithmetic, Grades 3 - 8. Harper and Row. Contents and price for each grades are given below:

Enrichment Program for Arithmetic, Grade 3-per package of 8 different titles, including: Crossnumber Puzzles; Fun with Words; Riddles and Puzzles; Nimble Numbers; Number Stories; The Story of Counting One to Ten; The Story of Counting Beyond Ten; and Tricks with Picks. $2.00.

Enrichment Program for Arithmetic, Grade 4-per package of 8 different titles including: The Story of Zero; Games to Play; Crossnumber Puzzles; The Story of Time; Just Like Magic; Find the Number; Magic Squares; and Side Trips in Arithmetic. $2.00.

Enrichment Program for Arithmetic, Grade 5-per package of 8 different titles including: Crossnumber Puzzles; Jokes and Riddles; Magic Squares, Circles, Stars; Number Magic; Numbers Do Strange Things; The Story of Measures; The Story of Money and Ways to Multiply. $2.00.

Enrichment Program for Arithmetic, Grade 6-per package of 8 different titles including: Amusing Problems; Arithmetic of Long Ago; Brain Teasers; Crossnumber Puzzles; Excursions in Arithmetic; Faster and Faster; Short Cuts to Multiplying; and some Curious Numbers. $2.00.

Enrichment Program for Arithmetic, Grade 7-per package of 8 different titles, including: Check and Double Check; Crossnumber Puzzles; Huge Numbers; Number Games; Number Systems; Oddities of Numbers; Other Ways; and Roman Numbers. $2.00.

Enrichment Program for Arithmetic, Grade 8-per package of 8 different titles, including: Binary Numbers; Calendar Fun; Counting by Countries; Crossnumber Puzzles; Guzintas; Prime Numbers; Queries and Queries; and This and That. $2.00.


Moore, Patrick--Isaac Newton. Putnam's, 1958. $2.95. Story of one of the greatest mathematicians of all time.


Myller, Rolf--How Big Is a Foot. Atheneum, 1962. $2.95.

Neely, Henry M.--Triangles: Getting Ready for Trigonometry. Crowell, 1962. $2.75. Describes probable beginnings of trigonometry and shows relationships of triangles and circles as applied to modern problems.


Reid, Constance--From Zero to Infinity: What Makes Numbers Interesting. Crowell, 1960. $4.50. Each of the ten digits, one through nine, is discussed individually.


Schneider, Herman and Nina--How Big Is Big? Hale. $1.89. Comparison of sizes from biggest to the smallest—from stars to atoms.


Simon, Leonard and Jeanne Bendick--The Day The Numbers Disappeared. Webster-McGraw Hill. $2.84. Mr. Debbs lets his class abolish numbers, but when they find life too difficult without them, the children must earn them back by working through Egyptian, Greek, and Roman systems.


Smith, G.O.—Mathematics: The Language of Science. Putnam, 1961. $2.75. Development of our number system from early man’s matching of objects with his fingers and toes to the invention of zero and the meaning of a number as dependent upon place.


Terry, Leon—The Mathemen. Whittlesey, 1965. $3.95. A collection of simple biographies of some of the ancient Greek mathematicians.


Tresselt, Alvin—Paw the Road. Lothrop, Lee, and Shepard, 1953. $2.84. Presents ideas of space, quantity, size, and tempo.

Valens, Evans G.—The Number of Things: Pythagoras, Geometry, and Humming Strings. Dutton, 1964. $4.95. The origins of geometry, musical scales, etc., can be traced to Pythagoras and his followers. Grade 6 and up.


Zinn, Herbert--*The Universe*. Wm. R. Morrow, 1961. $2.87. A combination of measurement and geometry showing the earth in relation to other planets.
RECENT ELEMENTARY
MATHEMATICS SERIES
RECENT ELEMENTARY MATHEMATICS SERIES

This bibliography includes most of the recent textbooks from bonded companies. Any text should be examined carefully since a publication date of a title does not necessarily mean that the book reflects the "newer" thinking in mathematics.

Arranged alphabetically by publisher.

Addison-Wesley Publishing Company, Inc.

Elementary School Mathematics Series by Brumfiel, Eicholz, Martin, O'Daffer and Shanks. (K-6)

American Book Company

Meeting Mathematics, etc., by Deans, Kane, McMeen, and Oesterle. (1-8)

Charles E. Merrill Books, Inc.

Discovering Mathematics by DeVault, Osborn, Swenson and Treuhardt. (1-5) (6 ready soon)

D. C. Heath and Company

New Ways in Numbers (Softbound) by Elwell and others. (1-8)

Encyclopedia Britannica Press

Math Workshop for Children by Wirtz, Botel, Beberman and Sawyer. (K-6)

Ginn and Company

Mathematics We Need by Brownell, Sauble, Marks, Smart, Purdy, Glennon, Weaver, Ruddell and Shortt. (K-8)

Harcourt, Brace and World, Inc.

Elementary Mathematics by Payne, Spooner, Clark, Beatty and Wells. (K-6) (7, 8) In preparation.

Harper and Row

Pre-Number Picture Cards by Charles D'Augustine. (Intended for
preschool, kindergarten and first grade. (Harper and Row will publish a new elementary mathematics program. Information on the projected program is not yet available.)

Holt, Rinehart and Winston, Inc.

Moving Ahead in Arithmetic by Merton and Brueckner. (1-6)
Elementary Mathematics: Patterns and Structure by Nichols, Flournoy, Kalin and Simon. (1-8)

Houghton Mifflin Company

Structural Arithmetic by Stern (K-3)

Laidlaw Brothers, Inc.

Sets, Numbers and Numerals, (K-2). Arithmetic, (3-6). Mathematics (7, 8) by McSwain, Brown, Gundlach, Cooke and others.

L. W. Singer Company

Sets and Numbers by Suppes (K-6)

Science Research Associates, Inc.

The Greater Cleveland Mathematics Program, (K-6)

Scott, Foresman and Company


Silver Burdett Company

Modern Mathematics Through Discovery by Morton, Rosskopf and others. (K-8)
<table>
<thead>
<tr>
<th>Publisher</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abelard-Schuman Ltd.</td>
<td>6W 57th St., New York 19, N.Y.</td>
</tr>
<tr>
<td>A.C. Vroman, Inc.</td>
<td>367 South Pasadena Avenue, Pasadena, Calif.</td>
</tr>
<tr>
<td>Addison-Wesley Publishing Co.</td>
<td>3220 Porter Drive, Palo Alto, Calif.</td>
</tr>
<tr>
<td>Aliy and Bacon, Inc.</td>
<td>310 West Polk Street, Chicago, Ill.</td>
</tr>
<tr>
<td>American Book Company, Inc.</td>
<td>300 Pike Street, Cincinnati, Ohio 45202</td>
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<td>American Technical Society</td>
<td>848 East Fifty-eight St., Chicago, Ill.</td>
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<td>Anchor</td>
<td>see Doubleday</td>
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<td>Appleton-Century-Crofts, Inc.</td>
<td>60 W. 42nd St., New York, N.Y.</td>
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<td>Athenaeum Publishers</td>
<td>162 E. 38th Street, New York, N.Y. 10016</td>
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<td>Barnes &amp; Noble, Inc.</td>
<td>105 Fifth Ave., New York, N.Y.</td>
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<td>Blaisdell Publishing Co.</td>
<td>510 Madison Ave., New York, N.Y.</td>
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<td>Cambridge University Press</td>
<td>32 E. 57th St., New York, N.Y.</td>
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<td>Center Applied Research in</td>
<td>70 Fifth Ave., New York City, New York 10011</td>
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<td>Charles E. Merrill Books</td>
<td>1300 Alum Creek Drive, Columbus, Ohio 43216</td>
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<td>Chelsea Publishing Co.</td>
<td>50 E. Fordham Rd., Bronx, N.Y. 10468</td>
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<td>Children's Press, Inc.</td>
<td>1224 West Van Buren St., Chicago, Ill. 60607</td>
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<td>Cholburn Associates, Inc.</td>
<td>1122 Central Avenue, Wilmette, Ill.</td>
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<td>Copp Clark Publishing Co.</td>
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<td>Coward-McCann Publishing Co.</td>
<td>200 Madison Ave., New York, N.Y.</td>
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<td>Craft Educational Services</td>
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<td>Crowell Co.</td>
<td>201 Park Ave., S., New York, N.Y. 10003</td>
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<td>Day The John Day Co., Inc.</td>
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<td>Denny Press, Des Moines, Iowa</td>
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<td>Dial Press</td>
<td>750 Third Ave., New York, N.Y.</td>
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<td>Digest Press</td>
<td>257 Tally-Ho Rd., Arroyo Grande, Calif. 94320</td>
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<td>Dodd Mean and Co.</td>
<td>432 Park Ave., S., New York, N.Y. 10016</td>
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<td>Dutton E. P. Dutton and Co.</td>
<td>201 Park Avenue South, New York, N.Y. 10011</td>
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<td>Emerson Books Inc.</td>
<td>251 W. 19th St., New York, N.Y.</td>
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<td>Encyclopedia-Britannica</td>
<td>425 North Michigan Avenue, Chicago, Ill. 60611</td>
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<td>Fearon Publishers</td>
<td>828 Valencia, San Francisco, Calif. 94110</td>
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<td>Follett Library Book Company</td>
<td>1018 West Washington Blvd., Chicago, Ill. 60607</td>
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<td>Franklin Publishers</td>
<td>4429 North Ave., Milwaukee, Wisconsin</td>
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<td>Franklin Watts, Inc.</td>
<td>575 Lexington Ave., New York, N.Y. 10022</td>
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<td>Free Press</td>
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<tr>
<td>Freeman &amp; Co., Publishers</td>
<td>660 Market St., San Francisco, Calif. 94104</td>
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Ginn - Ginn & Co., 450 West Algonquin Rd., Arlington Heights, Ill. 60005
Golden - Golden Press, Inc., 150 Parish Dr., Wayne, N.J.
Graphic - Graphic Center West, Sacramento, Calif.
Grossett - Grossett and Dunlap Inc., 227 E. Center St., Kingport, Tenn.
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Harper - Harper & Row Publishers, 2500 Crawford Avenue, Evanston, Ill. 60201. Also 49 East 33rd St., New York, N.Y.
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Heath - D.C. Heath & Co., 1815 Prairie Ave., Chicago, Ill. 60616
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Houghton - Houghton-Mifflin Co., 1900 South Batavia Ave., Geneva, Ill. 60134
Humanities - Humanities Press Inc., 303 Park Ave., So., New York, N.Y. 10010
Kenworthy - Kenworthy Educational Series, P.O. Box 3031, Buffalo, New York 14205
Laidlaw - Laidlaw Brothers, Thatcher and Madison Streets, River Forest, Ill. 60305
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Munson - Munson Business Service, 6056 Magnolia Ave., Riverside, Calif.
NCTM - National Council of Teachers of Mathematics, 1201 16th St., N.W., Washington, D.C. 20036
NEAPD - National Education Association Publication Division, 1201 16th St., N.W., Washington D.C. 20036
Obolensky - Obolensky Inc., and Astor Books, 1114 1st Ave., New York, N.Y. 10021
Office Supply - Office Supply Co., P.O. Box 965, Jackson, Mississippi
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Princeton - Princeton University Press, Princeton, N.J. 08541
Rand-McNally - Rand-McNally & Co., Box 7600, Chicago, Illinois 60680
### Addresses of Publishers

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<th>Publisher</th>
<th>Address</th>
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<td><strong>Rinehart</strong> - see Holt</td>
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<td><strong>Roanoke</strong> - Roanoke Center Press</td>
<td>P.O. Box 4085, Roanoke, Virginia</td>
<td>Roanoke</td>
<td>24671</td>
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<td><strong>Rockford</strong> - Rockford Morning Star</td>
<td>Box 1088, Rockford, I11.</td>
<td>Rockford</td>
<td>61105</td>
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<td><strong>Ronald</strong> - The Ronald Press Inc.</td>
<td>15 E. 26th St., New York City 10, N.Y.</td>
<td>New York City</td>
<td>10022</td>
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<td><strong>St. Martin's</strong> - St. Martin's Press Inc.</td>
<td>175 Fifth Ave., New York, N.Y.</td>
<td>New York</td>
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<td><strong>Scholastic Book Services</strong></td>
<td>50 W 44th St., New York, N.Y.</td>
<td>New York</td>
<td>10036</td>
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<td><strong>Science</strong> - Science Research Associates Inc.</td>
<td>259 East Erie St., Chicago, I11.</td>
<td>Chicago</td>
<td>60611</td>
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<td><strong>Scott-Foresman</strong> - Scott-Foresman and Co.</td>
<td>433 East Erie St., Chicago, I11.</td>
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<td><strong>Scribner</strong> - Charles Scribner's Sons</td>
<td>597 Fifth Ave., New York, N.Y. 10017</td>
<td>New York</td>
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<td><strong>Scripta Mathematica</strong> - Scripta Mathematica</td>
<td>Amsterdam Ave. and 186th St., New York 33, N.Y.</td>
<td>New York</td>
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<td><strong>Silver-Burdett</strong> - Silver-Burdett Co.</td>
<td>460 South Northwest Highway, Park Ridge, I11.</td>
<td>Park Ridge</td>
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<td><strong>Simon</strong> - Simon and Schuster Inc.</td>
<td>630 Fifth Ave., New York 20, N.Y.</td>
<td>New York</td>
<td>10017</td>
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<td><strong>Singer</strong> - The L.W. Singer Co. Inc.</td>
<td>5601 Northwest Highway, Chicago, I11.</td>
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<td><strong>Southern Illinois Press</strong></td>
<td>Carbondale, Ill.</td>
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<td><strong>State College</strong> - State College of Iowa</td>
<td>Field Services Division, Cedar Falls, Iowa</td>
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<td><strong>Steck-Vaughn</strong> - Steck-Vaughn Co.</td>
<td>Box 2028, Austin, Texas 78767</td>
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<td><strong>Teachers</strong> - Teachers Publishing Corp.</td>
<td>Darien, Connecticut</td>
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<td><strong>Time Inc.</strong> - orders to Silver Burdett Co.</td>
<td>Park Ave &amp; Columbia Rd., Morristown, N.J. 07960</td>
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<td><strong>Torchbooks</strong> - see Harper</td>
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<td><strong>U. of Minn.</strong> - University of Minnesota Press</td>
<td>2037 University Ave., S.E., Minneapolis, Minne.</td>
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<td>55455</td>
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<td><strong>Vanguard</strong> - Vanguard Press Inc.</td>
<td>424 Madison Ave., New York, N.Y. 10017</td>
<td>New York</td>
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<td><strong>Van Nostrand</strong> - D. Van Nostrand Co. Inc.</td>
<td>120 Alexander St., Princeton, N.J. 08541</td>
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<td><strong>Viking</strong> - The Viking Press</td>
<td>625 Madison Ave., New York, N.Y. 10022</td>
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<td><strong>Walch</strong> - J. Weston Walch Co.</td>
<td>Portland, Maine</td>
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<td><strong>Walck</strong> - Walck Publishing Co.</td>
<td>19 Union Square W., New York, N.Y. 10003</td>
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<td><strong>Westwood</strong> - Westwood Books</td>
<td>1160 San Fernando Rd., Los Angeles, Calif. 90065</td>
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<td><strong>Whittlesey</strong> - Whittlesey House</td>
<td>330 W. 42nd St., New York, N.Y. 10036</td>
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<td><strong>Wiley</strong> - John Wiley and Sons, 605 Third Ave., New York, N.Y. 10016</td>
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<td><strong>Wonder</strong> - Wonder Booksa, (order to Grossett &amp; Dunlap, 51 Madison Ave., New York, N.Y.</td>
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<td><strong>World Pub.</strong> - The World Publishing Co.</td>
<td>119 W. 57th St., New York, N.Y. 10019</td>
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<td><strong>Yale</strong> - Yale University Press</td>
<td>140 York St., New Haven, Conn. 06511</td>
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**These addresses are accurate as of 1966.**