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BIBLIOGRAPHIES, ELEMENTARY SCHOOL MATHEMATICS.

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MATHEMATICS, *REFERENCE MATERIALS, ANNOTATED BIBLIOGRAPHIES,
LIBRARY MATERIALS, TEACHER EDUCATION, TEXTBOOKS,

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 FOR 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)

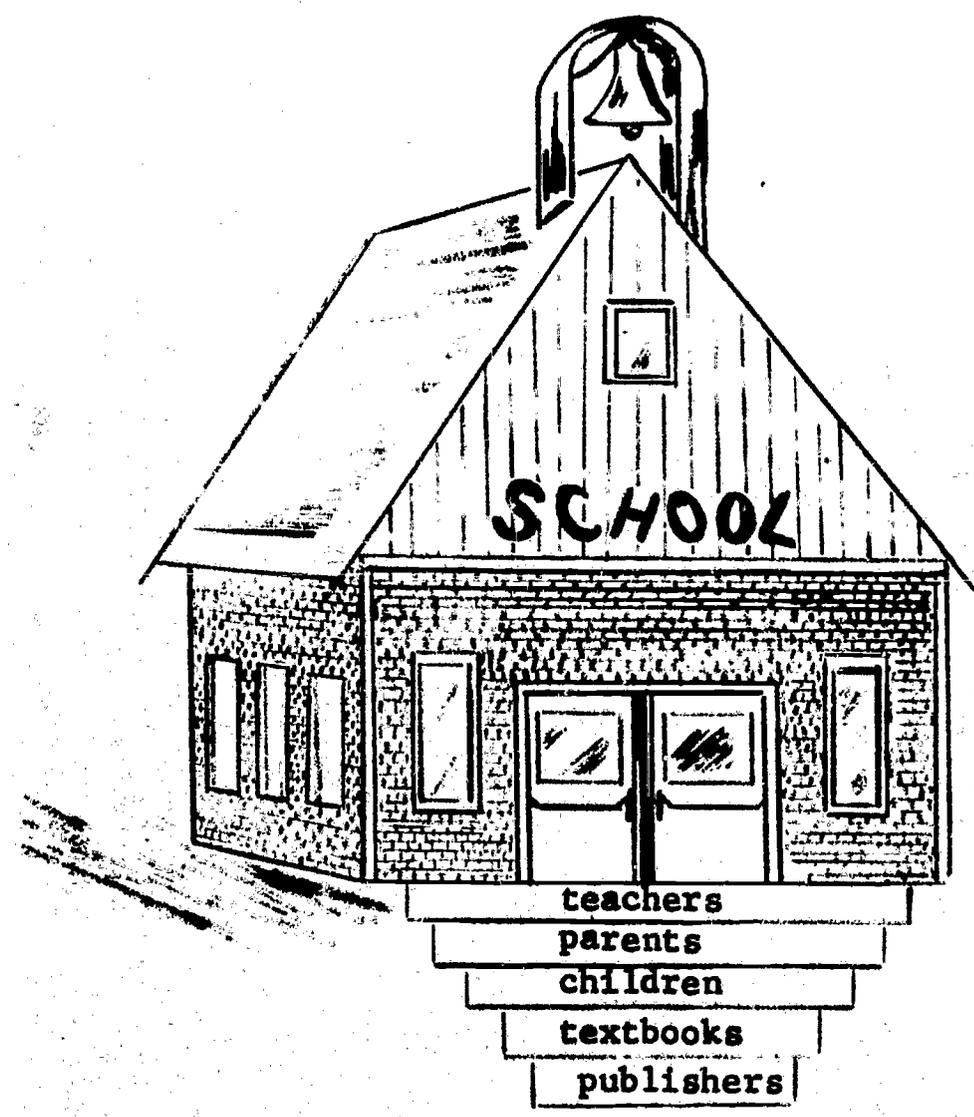
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Professional Books for Elementary Teachers

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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.
- Banks--Mathematics for the Elementary School Teacher.
Allyn and Bacon, 1965. \$10.35. A mathematics text.
- Bell, Hammond, and Herrera--Fundamentals of Arithmetic for Teachers.
Wiley, 1962. \$5.95. Arithmetic text.
- Brumfiel, Eicholz, and Shanks--Fundamental Concepts of Elementary Mathematics.
Addison-Wesley, 1962. \$7.95. Mathematics text.
- Corle--Building Arithmetic Skill with Games. F.A. Owen, 1959. \$1.25.
Games and activities for the enrichment of arithmetic.
- Corle--Teaching Mathematics in the Elementary School. Ronald Press, 1964.
\$6.95. Methods and content.
- Crouch, Baldwin, and Wisner--Preparatory Mathematics for Elementary Teachers.
John Wiley, 1965. \$8.75. A mathematics text.
- 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.
- Deans--"Elementary School Mathematics: New Directions" (50 cents per copy)
Bureau of Publications, United State Government Printing Office.
- DeVault, et al--Improving Mathematics Programs. Charles E. Merrill, 1961.
\$7.95. Basic collection of readings related to the improvement of elementary school mathematics.
- Dienes--Building Up Mathematics. Humanities Press, 1960. \$3.00.
Outlines some ways in which teachers can help children feel at home in the mathematics workshop.
- Dutton-Evaluating Pupils' Understanding in Arithmetic. Prentice-Hall, 1964.
\$2.95. Techniques for evaluation of pupil understanding of arithmetic.
- Dwight--Modern Mathematics for the Elementary Teacher. Holt, Rinehart, and Winston, 1966. \$7.50

- Fluornoy--Elementary School Mathematics. Center for Applied Research in Education, 1964. \$3.00. Discusses objectives, basic concepts of mathematics, instructional procedures, and materials.
- Fujii--An Introduction to the Elements of Mathematics. Wiley, 1961. \$6.25. Mathematics text.
- 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.
- Grossnickle and Brueckner--Discovering Meanings in Elementary School Mathematics, 4th Ed. Holt, Rinehart and Winston, 1963. \$7.45. Describes significant changes in elementary mathematics. Combines concepts and methods.
- Gundlach--Glossary of Arithmetical-Mathematical Terms. Laidlaw, 1961. \$.92. Defines and illustrates about 500 terms.
- Hacker, Barnes, and Long--Fundamental Concepts of Arithmetic. Prentice-Hall, 1963. \$6.50. Mathematics text.
- 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.
- Heddens--Today's Mathematics. Science Research Associates, 1964. \$5.25. Presents concepts and suggest how they are developed for each grade level, K-6.
- Henkin, Smith, Varineau, and Walsh--Retracing Elementary Mathematics. Macmillan, 1962. \$6.75. Mathematics text.
- Hollister and Gunderson--Teaching Arithmetic in the Primary Grades. D.C. Heath, 1964. \$4.65. Content and methods for elementary grades.
- Howard and Dumas--Basic Procedures in Teaching Arithmetic. D.C. Heath, 1963. \$6.75. Content and methods.
- Kingston--Mathematics for Teachers of the Middle Grades. Wiley, 1965. \$6.50. A mathematics text.
- Lay--Arithmetic: An Introduction to Mathematics. Macmillan, 1961. \$5.50. Mathematics text.

- Larsen and Ludlow--Arithmetic for Colleges. Macmillan, 1963. \$6.25. Mathematics text.
- Magner, Hasier, and Gillby--Arithmetic Games and Activities. Teachers Publishing Corporation, 1964. 139 pp. \$1.95.
- Marks, Purdy, and Kinney--Teaching Elementary School Mathematics for Understanding. Webster-McGraw Hill, 1965. \$7.95. Combines concepts and methods. Discusses curricular changes in elementary mathematics.
- May, Lola--How to Teach the New Math (K-6). Teachers Publishing Company, 1965. 7 Books. \$1.95 each.
- Merton and May--Mathematics Background for the Primary Teacher. John Colburn Associates, 1966. Paperback \$3.95. Hard Cover \$4.95. Materials developed through a series of colored charts for Grades 1 - 3 with correlated filmstrips available. (Similar materials for Grades 4 - 6 in preparation.)
- Mitchell and Cohen--A New Look at Elementary Mathematics. Prentice-Hall, 1965. \$7.95. Mathematics text.
- Mueller--Arithmetic: Its Structure and Concepts. Prentice-Hall, 1964. \$7.95. Revision of the 1958 text by Mueller.
- Mueller (Editor)--Updating Mathematics: Elementary School Edition. Croft Educational Services, 1964. \$3.95. Compilation of articles on concepts and techniques of modern elementary mathematics.
- NCTM--24th Yearbook: The Growth of Mathematical Ideas, K-12. National Council of Teachers of Mathematics, 1959. \$5.00. Traces the development of various mathematical concepts from the kindergarten through Grade 12.
- NCTM--25th Yearbook: Instruction in Arithmetic. National Council of Teachers of Mathematics, 1960. \$4.50. A collection of articles by well-known authorities on the teaching of arithmetic.
- NCTM--27th Yearbook: Enrichment Mathematics for the Grades. National Council of Teachers of Mathematics, 1963. \$3.00. Various ideas for enrichment. Contains extensive bibliographies.
- NCTM--29th Yearbook: Topics in Mathematics. National Council of Teachers of Mathematics, 1964. \$4.00. Edited by Lenore John, University of Chicago. Especially prepared for self-study by elementary teachers. Ten color films correlated with these topics are available from United World Films, Inc., 221 Park Avenue South, New York, New York 10003.
- 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.
- Ohmer, Ancoin, and Cortez--Elementary Contemporary Mathematics. Blaisdell, 1964. \$7.50. Mathematics text.

- Osborne, et al--Extending Mathematics Understanding. Charles E. Merrill, 1961. \$6.75. Content and some methods.
- 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.
- Peterson and Hashisaki--Theory of Arithmetic. Wiley, 1963. \$6.95. A mathematics text.
- Quinn (Editor)--A Guide to Modern Mathematics. Science Research Associates, 1964. \$1.45. A compact volume that may be used as a reference.
- Rappaport--How to Make the "New" Math Add Up. Wiley, 1966. \$5.95. Content and methods.
- Rasmussen--Mathematics Laboratory Materials for Grades 1-3. Encyclopedia Britannica Press.
- 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.
- Schaaf--Basic Concepts of Elementary Mathematics. Wiley, 1965. \$6.95. Mathematics text.
- School Mathematics Study Group--Mathematics for the Elementary School. Yale University Press. Texts priced individually.
- 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 (\$3.00 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)

- School Mathematics Study Group--Studies in Mathematics. A.C. Vroman.
Publications priced individually.
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)
- School Mathematics Study Group--Studies in Mathematics: Brief Course in
Mathematics for Elementary School Teachers. \$2.00. A.C. Vroman,
Mathematics textbooks for self-study.
- Shipp and Adams--Developing Arithmetic Concepts and Skills. Prentice-Hall,
1964. \$10.00. Content and methods.
- Sister Mary Caroline, SSND--Bulleting Boards for the New Math. F.A. Owen,
1965. 48 pp. \$1.25. How to make attractive displays in elementary
mathematics. Grade level 1 through 8.
- Smith--Explorations in Elementary Mathematics. Prentice-Hall, 1966. \$5.95.
A mathematics text.
- Spencer and Brydegaard--Building Mathematical Competence in the Elementary
School. Holt, Rinehart and Winston, 1966. \$7.95.
- Spitzer--Activities for the Enrichment of Arithmetic. Webster-McGraw Hill,
1964. Each grade 1-8, \$1.48. Eight booklets, one for each grade level,
1 through 8.
- Spitzer--The Enrichment of Arithmetic: A Handbook for Teachers. Webster-
McGraw Hill, 1964. \$6.40. Games, puzzles, riddles, and mental activ-
ities appropriate for grade levels 1-8.
- Spitzer--Teaching of Arithmetic. Houghton-Mifflin, 1962. \$5.95. Content and
methods.
- Stern--Children Discover Arithmetic. Harper and Row, 1949. \$5.00. Describes
the use of concrete materials in developing number concepts and processes.
- Suppes and Hill--First Course in Mathematical Logic. Blaisdell, 1964. \$6.50.
A very elementary treatment of logic.
- 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.
- Swenson--Teaching Arithmetic to Children. Macmillan, 1964. \$6.95. Content
and methods.
- Thorpe--Teaching Elementary Arithmetic, Harper and Row, 1962. \$6.50. Content
and method.
- Trivett--Mathematical Awareness, Parts I and II. Encyclopedia Britannica Press,
Inc., 1962. \$2.00. Suggested teaching methods based upon the Cuisinaire
rods.

Turner--Teaching Aids for Modern Mathematics. Holt, Rinehart and Winston, 1966. \$2.50. A source book for elementary teachers.

Ward and Hardgrove--Modern Elementary Mathematics. Addison-Wesley, 1964. \$7.95. Mathematics text.

Webber and Brown--Basic Concepts of Mathematics. Addison-Wesley, 1963. \$7.50. Mathematics text.

Willerding--Elementary Mathematics: Its Structure and Concepts. Wiley, 1966. Mathematics text for elementary teachers.

Wirtz, et al--Discovery in Elementary Mathematics. Encyclopedia Britannica Press, 1963. \$6.00. Twenty-four units organized around five basic mathematics themes. Workbook format.

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.

Youse--Arithmetic: A Modern Approach. Prentice-Hall, 1963. \$7.00. Mathematics text.

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.

- Adler--A New Look at Arithmetic. John Day, 1964. \$6.95.
- Allendorfer--Mathematics For Parents. Macmillan, 1964. \$2.95.
- Balmer and Slade--The Essentials of Modern Mathematics. Pocket Books. \$.75.
- Barker, Curran, and Metcalf--The "New" Mathematics for Teachers and Parents of Elementary School Children. Fearon Publishers, 1964. \$1.95.
- Denny--Modern Math for Elementary Teachers. Denny Press. \$2.00.
- Goggin--Modern Mathematics for Parents. Munson Business Service.
- Goodman--The Pleasures of Math. Macmillan.
- Heimer and Newman--The New Mathematics for Parents. Holt, Rinehart and Winston, 1965. \$2.95.
- Herrick--Parents' Guide to Modern Mathematics. Westwood Books.
- Huber and Woods--New Mathematics and How to Understand It. Kenworthy Educational Series. \$1.00.
- Kempf and Barnhart--Modern Elementary Mathematics: A Parent's Guide to the New Concepts. Doubleday. \$3.95
- Layton--A Parent's Introduction to the New Mathematics for the Elementary School. Office Supply Company \$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.
- May--Major Concepts of Modern Mathematics. John Colburn Associates. \$2.95.
- NEA--The New Mathematics (8 page folder, 35 copies for \$1.00). National Education Association.

Phillips and Kluttz--"Modern Mathematics and Your Child" (20 cents per copy)
United States Government Printing Office.

Rosenthal--"Understanding the New Math: For Parents, Teachers, and Students."
Hawthorne Books. \$4.95.

Sawyer--"Visions in Elementary Mathematics." Penguin Books. \$1.25.

Sharp--"A Parent's Guide to the New Mathematics (\$4.95). (Pocket Books Edition
\$.75) E.P. Dutton and Company.

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

Tebbetts--"Modern Mathematics for Parents and Teachers." Franklin Publishers.

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 pro-
grams.

"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.

"Helping Children Discover Arithmetic: A Guide for Parents and Teachers"
Encyclopedia Britannica Press, Inc. \$.50

Discovering Modern Mathematics for Parents. Encyclopedia Britannica Press. Set
of 8 pamphlets for \$2.00.

A First Look at Modern Mathematics. Addison-Wesley.

LIBRARY BOOKS

GRADES K-6

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

Alain--The Elephant and the Flea. McGraw-Hill, 1956. \$3.00. Size comparison.

Alain--One, Two, Three, Going to Sea. William R. Scott. \$2.21. Easy to read counting book.

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.

Behn, Harry--All Kinds of Time. Harcourt-Brace, 1950. \$3.00. Picture book about clocks, time, and the seasons.

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.

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- 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.
- Behn, Harry--All Kinds of Time. Harcourt-Brace, 1950. \$3.00. Picture book about clocks, time, and the seasons.
- 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.

- Bishop, Claire--Twenty-two Bears. Viking, 1964. \$2.62. Concepts of numbers in groups from 1 to 22.
- Bragdon, Lilliam J.--Tell Me the Time, Please. Lippincott, 1936. \$2.75. For the child who is learning to tell time
- Branley, Franklyn M.--Big Tracks, Little Tracks. Thomas Y. Crowell, 1960. \$2.75. Comparison of size.
- Brann, Esther--Five Puppies for Sale. Macmillan, 1958. \$2.95. Helpful in developing concepts of one through six.
- Bremmer, Barbara--The Five Pennies. Knopf, 1963. \$2.95. The value of money.
- Brown, Margaret Wise--Two Little Trains. William R. Scott, 1949. \$3.50. Concepts of direction.
- 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--From Ungskah 1 to Oyaylee 10. Random, 1965. \$3.29. Story of counting.
- 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, I, 1958. \$2.95. Concepts of under, on, beneath, among, in, are explained.
- Duvoisin, R.A.--Two Lonely Ducks. Knopf, 1955. \$2.79. Use of cardinal and ordinal numbers shown.
- Eichenberg, Fritz--Dancing in the Moon. Harcourt-Brace, 1956. \$3.30. Rhymed introduction to numbers 1 to 20.
- Elkin, Benjamin--The True Book of Money. Children's Press, Inc., 1960. \$2.00. An interesting presentation for youngsters about barter, United States money, use of money, saving money, kinds of money, and check writing.
- Emberly, Edward R.--The Wing on a Flea. Little, 1961. \$2.95. A book about geometric shapes.
- Everson, Dale--Mrs. Popover Goes to the Zoo. Wm. Morrow, 1963. \$2.95. An amusing, illustrated counting book.
- Fishers, Morgery M.--One and One. Dial, 1963. \$2.50. What numbers are and how they work.

- Fransoise--Jeanne Marie Counts Her Sheep. Scribners, 1957. \$3.12. Emphasizes counting.
- 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 Turtle 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.
- Ipcar, Dahlov--Brown Cow Farm. Doubleday, 1959. \$2.50. A counting book. Animals from one horse to one hundred goslings.
- Ipar, Dahlov--Ten Big Farms. Knopf, 1958. \$3.19. Counting
- Jeruchim, Cecile--Hello! Do You Know My Name? Putnam, 1963. \$2.75. Simple rhymes about shapes of familiar objects.
- 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.
- Kepes, Juliet--Two Little Birds and Three. Houghton-Mifflin, 1960. \$2.57. Beginning number concepts of 2, 3, and 5.
- Kessler, Leonard--I Made a Line. Wonder Books, 1962. \$.59. Concepts on round and square.

- 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.
- Kuskin, Karla--The Bear Who Saw the Spring. Harper and Row, 1961. \$2.00. Concepts of big, bigger; beneath, upon; small, little; seasons.
- Kruss, James--Three by Three. 1965. \$2.50. A picture book for children who can count to three.
- Kuskin, Karla--James and the Rain. Harper, 1957. \$2.92. A simple counting book.
- Kuskin, Karla--Square As a House. Harper, 1960. \$2.73.
- Langstaff, John--Over in the Meadow. Harcourt-Brace, 1957. \$3.26. Counting song about animals.
- 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.
- Le Sieg--Ten Apples Up on Top. Random, 1961. \$2.19. Emphasizes Counting.
- Leaf, Munro--Arithmetic Can Be Fun. Lippincott, 1949. \$2.93. An amusing book with cartoons that help explain arithmetic.
- 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.
- McCullough, J.G. and Kessler, L.--Farther and Faster. Crowell, 1954. \$2.50. Transportation in terms of comparison.
- McLeod, Emilie W.--One Snail and Me. Little, 1961. \$2.95. About toy animals waiting to be counted.
- Marino, Dorothy--Edward and the Boxes. Lippincott, 1957, \$2.63. Concepts of comparison.
- Memling, Carl--I can Count. Golden Press, 1963. \$2.19. Number concepts 1 to 10.
- Merwin, Decie--Time for Tammie. Walck, 1946. \$2.75. How to tell time taught with games.
- Moore, Lilian--Count to Ten. Golden Press, 1961. \$.29.
- Moore, Lilian--My Big Golden Counting Book. Golden Press, 1962. \$1.99. Illustrated counting book.
- Myller, Rolf--How Big Is a Foot. Atheneum, 1962. \$2.95. Helpful in presenting linear measurement.
- Peters, Herman J., and Others--Space Jobs (NASA Publication for K-3). U.S. Government Printing Office, 1966. \$.15.

- Rand, Ann--Little 1. Harcourt-Brace, 1962. \$3.36. (Preschool) Little 1 enters groups and relationships with other figures to produce new mathematical concepts.
- Radlauer, Ruth--Good Times Drawing Lines. Melmont, 1961. \$2.50. Fun drawing straight and curved lines.
- Rice, Stanley--Tell Time. Harcourt-Brace, 1963. \$2.50. Programmed ways to tell time.
- Scarry, Richard--The Hickory Dickory Clock Book. Doubleday, 1961. \$2.95. Teaches how to tell time.
- 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, Mariam--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, Marcha and Charles--Let's Find Out What's Big and What's Small. Hale. \$3.05. Introduction to size and comparison.
- Sherman, Diane--My Counting Book. Rand-McNally, 1963. \$1.00. Counting to 10 in verse form.
- Slobodkin, Louis--One It Good But Two Are Better. Vanguard, 1956. \$2.95. Ideas of one and two are developed.
- Slobokina, Esphyr--The Clock. Hale. \$3.50. Picture book about a clock.
- Steine, Charlotte--Ten in a Family. Knopf, 1960. \$3.19.
- Todd, Mary--A, B, C, and 1, 2, 3. McGraw-Hill, 1955. \$2.95. Provides various counting a grouping experiences.
- 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.
- Tudor, Tasha-- 1 Is One. Walck, 1956. \$3.25. A counting book with original verses.

- Vogle, Ilse Margaret-- 1 Is No Fun, But 20 Is Plenty! Athenium, 1965. \$2.74.
- Waller, Leslie--A Book to Begin On: Numbers. Holt, Rinehart, and Winston, 1960. \$2.57. How number is used today, and how the concept originated.
- Waller, Leslie--A Book to Begin On: Time. Holt, Rinehart, and Winston, 1959. \$2.97. Ideas of time and its neasurements.
- 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.
- Watson, Nancy--When Is Tomorrow? Knopf, 1955. \$2.99. Charming pictures and a simple story which gives the youngest readers any understandable concept of time.
- Wither, Carl--Counting Out. Walck, 1946. \$1.75. Nearly one hundred counting out rhymes.
- Wolff, Janet and Owett, Bernard--Let's Imagine Numbers. Dutton, 1964. \$3.50.
- Wolff, Janet--Let's Imagine: Thinking Up Things. Dutton, 1961. \$3.25. Concepts of circle, square, line, and triangle introduced.
- Wondriska--1, 2, 3, A Book to See. Random, 1958. \$2.09.
- Ziner, Feenie--My Easy to Read Book of Time. Grossett, 1959. \$1.00.
- Ziner, Feenie and Thompson, E.--True Book of Time. Children's Press, 1956. \$2.00. Helps the child to learn to tell time.
- Ziner, Feenie--Counting Carnival. Coward-McCann, 1962. \$2.52. (Preschool).
- Ziner, Feenie--My Easy to Read True Book of Time. Grossett, 1959. \$1.00.
- Zolotow, Charlotte--Over and Over. Harper, 1957. \$2.75. Ideas of time developed through holidays.

THE OWL LIBRARIES

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 Ratchet Wing

This Is My Family
By Howard F. Fehr

Three Little Dachshunds
By Margaret Otto

What Is Big?
By Henry Ratchet 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
Compiled by Leland B. Jacobs

Eleven and Three Are Poetry
Compiled by Sally Nohelty

Four Three Are 12
By H.R. Wright

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 Havaho 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

- Adler, Irving--Grant Golden Book of Mathematics. Golden Press, 1960. \$3.95. Colorful, well-illustrated book.
- Adler, Irving--Magic House of Numbers. John Day, 1957. \$3.50. An introduction to our number system. Riddles, tricks, and puzzles with answers. Grade 6 and up.
- Adler, Irving--Logic for Beginners. John Day, 1964. \$3.95. Clear thinking and logical reasoning taught through a series of games. Grade 6 and up.
- Adler, Irving--Mathematics: The Story of Numbers, Symbols, and Space. Golden Press, 1958. \$.69. Illustrated introduction to several aspects of number and space.
- Adler, Irving--Numerals: New Dresses for Old Numbers. John Day, 1964. \$2.39. Introduction to systems with place value in different bases.
- Adler, Irving and Adler, Ruth--Numbers Old and New. John Day, 1960. \$2.39. Interesting facts about numbers.
- Andrews, F. Emerson--Numbers Please. Little, 1961. \$3.50. Short cuts in computation with explanations and practice exercise.
- 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.
- Bakst, Aaron--Mathematics: Its Magic and Mastery (2nd ed.) Van Nostrand, 1952. \$7.50. The basic mathematical concepts through algebra, geometry and trigonometry. Numerous mathematical brainteasers. Grade 6 and up.
- Ball, W.W. Rouse--Mathematical Recreations and Essays. Macmillan, 1960. \$6.00. (pap. \$1.95). Mathematical fallacies, puzzles and games. Grade 6 and up.
- Barr, Stephen--Experiments in Topology. Crowell, 1964. \$3.50. One of the fascinating bypaths of mathematics. Grade 6 and up.
- Bell, Thelma--Snow. Viking, 1954. \$3.04. Ideas of geometry presented through study of snowflakes.
- Bendick, Jeanne--How Much and How Many. Webster-McGraw-Hill, 1958. \$2.96. Story of weights and measures. Original drawings.
- Bendick, Jeanne and Levin, Marcia--Take Shapes, Lines and Letters. Whittlesey, 1962. \$3.06. Introduction to simple geometric figures and ideas.
- Bendick, Jeanne and Levin, Marcia--Take a Number. Whittlesey, 1961. \$2.85. How people and computers count.
- 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, ect. 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, Phipil--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.
- Cooke, Davis C.--How Money Is Made. Dodd-Mead, 1962. \$2.57. Photography accompanies text of currency and coin manufacture from design to wrapping.
- Diggins, Julia--String, Straightedge, and Shadow. Viking. \$5.00. The story of geometry. Illustrated by Corydon Bell.
- Elkin, Benjamin--True Book of Money. Children's Press, 1960. \$2.00. Explains used of money and ways of saving.
- 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.
- Fenton, Carroll and Mildren--Worlds in the Sky. Day, 1950. \$3.25. Sizes and distances of sun, moon, and planets.
- Friend, J.N.--Numbers: Fun and Facts. Scribner, 1954. \$3.50. Attempts to show that the study of numbers is interesting and fascinating.
- Friskey, Marguerite--About Measurement. Children's Press, 1965. \$2.50. Study of measurement originally produced by the Ford Motor Company. Colored illustrations.
- 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. \$.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.
- Haas, Victor E.--The Magic Numerals of Ali Khayyam. Macrae Smith, 1965. \$2.95. A story adventure in modern mathematics.
- 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.
- Hatcher, Charles--What Size Is It? Children's Press, 1965. \$3.25. Explanation of the measurements used in everyday life and in science. How to make measuring devices.
- Heath, Royal--Math Magic. Dover, 1953. \$1.00. Magic, puzzles, and games with numbers.
- Hogben, Lancelot--The Wonderful World of Mathematics. Doubleday, 1955. \$2.95. Colorful and well-illustrated book. Gives brief elementary introduction to some phases of the history of mathematics.
- 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.
- Hunter, J.A.H.--Figures Are Fun. Copp-Clark Publishing Company. Set of 6 paperbacks \$2.10. Pamphlets written for elementary children.
- 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)
- Johnson, Donovan and Glenn, W.H.--Exploring Mathematics on Your Own. Webster Division, McGraw Hill, 1961. A series of pamphlets instead of a single book. Pamphlets suitable for the elementary grades, and in particular, for gifted children are listed below. \$.95 each.

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--New Ways in Mathematics. Prentice-Hall, 1962. \$3.50. Introduces some of the simpler ideas of sets, probability, algebra, and the binary system of notation. Illustrated.
- Honas, 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.
- Kenyon, Raymond--I Can Learn about Calculators and Computers. Harper, 1964. \$3.50. Extends from finger counting to electronic computers. Includes model experiments.
- Kettlekamp, Larry--Puzzle Patterns. Wm. R. Morrow, 1963. \$2.78. Contains geometric puzzles, ciphers, jigsaws, and anagrams.
- Kettlekamp, Larry--Spirals. Prentice-Hall, 1964. \$3.50. Introduction to concepts of sparial relationships.
- Kohn, Bernice--Computers at Your Service. Prentice-Hall, 1962. \$2.95. Introduction to calculating machines and their importance in everyday life.
- 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 Queeries; and This and That. \$2.00.

- Lauber, Patricia--The Story of Numbers. Random House, 1961. \$2.19. Explains the origins of counting.
- Leeming, Joseph--Fun with Puzzles. Lippincott, 1946. \$3.95. (Paperback edition \$.35 from Scholastic Book Services). A book of interesting puzzles related to mathematics.
- Lerch, Harold--Numbers in the Land of Hand. Southern Illinois University Press, 1966. Simple presentation of the base five system of numeration used on Quinto Island in Pretend Sea.
- Lieber, Lillian--Mathematics: First S-T-E-P-S, 1963.
- McCloskey, Robert--Time of Wonder. Viking, 1957. \$3.50. Measurement and comparison used in study of change of seasons.
- Massoglia, Elinor--Fun-Time Paper Folding. Children's Press, 1959. \$2.50. Seep-by-step directions for figure fun with paper.
- Meyer, Jerome S.--Arithmetricks. Scholastic Book Services, 1965. \$.35. Interesting tricks with numbers.
- Milgrom, Harry and Ruchlis, Hy--The Science Book Lab of Mathematical Shapes. Basic Books, 1961. \$3.95. Suggestions for constructing geometric figures.
- Moore, Patrick--Isaac Newton. Putnam's, 1958. \$2.95. Story of one of the greatest mathematicians of all time.
- Moroney, M.J.--Facts From Figures. Pelican, 1951. \$.95. An effective elementary introduction to statistical method.
- Muir, Jane--Of Men and Numbers: The Story of the Great Mathematicians. Dodd, 1961. \$3.50. Informative biographical sketches of some the more famous mathematicians.
- 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.
- National Aeronautics and Space Administration--What's Up There? NASA, 1964. \$1.00. United States Groverment Printing Office. A source book in space-oriented mathematics for grades 5 through 8. Prepared by NASA in cooperation with the United States Office of Education.
- Oldfield, Ruth L.--Albert Einstein, Man of Science. Children's Press, 1964. \$3.50. A biography of Einstein written for children.
- Peters, Herman J., and others--Learning about Space Careers (for Grades 4 - 6. NASA publication.) United States Government Printing Office, 1966. \$.25.
- 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.

- Rychlis, Hy and Englehardt, Jack--The Story of Mathematics: Geometry for the Young Scientist. Harvey House, 1958. \$2.95. Recommended for talented students. Outstanding illustrations.
- Saxon, G.R.--How Fast? Crowell, 1954. \$2.00. Interesting comparisons between the speed of animals and machines.
- Schneider, Herman and Nina--How Big Is Big? Hale. \$1.89. Comparison of sizes from biggest to the smallest--from stars to atoms.
- Shaw, H. Alan and Fuge, K.--The Story of Mathematics. St. Martin's Press, 1963. \$2.95. The story of mathematics and how it developed as man needed to count, add and subtract.
- 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, D.E.--Number Stories of Long Ago. National Council of Teachers of Mathematics, 1951. \$.75. Story of the probable history of numbers.
- Smith, David E. and Ginsburg J.--Numbers and Numerals. National Council of Teachers of Mathematics. \$.35. The story of numbers and how they came into use.
- 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 a number as dependent upon place.
- Sootin, Laura--Let's Go to a Bank. Putnam, 1957. \$1.95. Explains checking and saving accounts.
- Terry, Leon--The Mathemen. Whittlesey, 1965. \$3.95. A collection of simple biographies of some of the ancient Greek mathematicians.
- Thomas, Henry--Charles Steinmetz. Putnam's, 1959. \$2.59. Story of the Handicapped mathematician who helped build the General Electric Company.
- Tresselt, Alvin--Fow 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.
- Weyl, Peter--Men, Ants, and Elephants: Size in the Animal World. Viking, 1959. \$3.00. Importance of standard units of measure shown.
- Wilcox, Burks, and DeVault--What Is Money? Steck-Vaughn. \$2.00. What is money? How did it originate? How do people earn money? Illus.

GRADES 4-6

15.

Zarchy, Harry--Whell of Time. Crowell, 1957. \$3.00. Development of man's concept of time. Calendars, navigation, time zones, latitude and longitude are among subjects covered.

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

Seeing Through Arithmetic, (K-6): Seeing Through Mathematics, (7, 8)
by Hartung, Van Engen and others.

Silver Burdett Company

Modern Mathematics Through Discovery by Morton, Roskopf and
others. (K-8)

DIRECTORY OF PUBLISHERS

- Abelard-Schuman - Abelard-Schuman, Ltd. 6W 57th St., New York 19, N.Y.
- A.C. Vroman - A.C. Vroman, Inc., 367 South Pasadena Avenue, Pasadena, Calif.
- Addison-Wesley - Addison-Wesley Publishing Co., Inc., 3220 Porter Drive, Palo Alto, Calif. 94104
- Allyn and Bacon - Allyn and Bacon, Inc., 310 West Polk Street, Chicago, Ill. 60607
- American - American Book Company, 300 Pike Street, Cincinnati, Ohio 45202
- Amer. Tech. Soc. - American Technical Society, 848 East Fifty-eight St., Chicago, Ill. 60637
- Anchor - see Doubleday
- Appleton - Appleton-Century-Crofts, Inc., 60 E. 42nd St., New York, N.Y. 10017
- Atheneum - Atheneum Publishers, 162 E. 38th Street, New York, N.Y. 10016
- Barnes & Noble - Barnes & Noble, Inc., 105 Fifth Ave., New York, N.Y. 10003
- Basic - Basic Books, Inc., Publishers, 404 Park Ave. S., New York, N.Y. 10016
- Blaisdell - Blaisdell Publishing Co., 510 Madison Ave., New York 22, N.Y.
- Cambridge - Cambridge University Press, 32 E. 57th St., New York, N.Y. 10022
- Center - Center Applied Research in Education, Inc., 70 Fifth Ave., New York City, New York 10011
- Channing - Channing L. Bete Co., Inc., Greenfield, Mass.
- Charles E. Merrill - Charles E. Merrill Books, 1300 Alum Creek Drive, Columbus, Ohio 43216
- Chelsea - Chelsea Publishing Co., 50 E. Fordham Rd., Bronx, N.Y. 10468
- Children's - Children's Press, Inc., 1224 West Van Buren St., Chicago, Ill. 60607
- Colburn - John Colburn Associates, Inc., 1122 Central Avenue, Wilmette, Ill.
- Copp Clark - Copp Clark Publishing Co., Toronto, Ontario, Canada
- Coward-McCann - Coward-McCann Publishing Co., 200 Madison Ave., New York, N.Y. 10016
- Craft - Craft Educational Services, New London, Connecticut
- Crowell - Thomas Y. Crowell Co., 201 Park Ave., S., New York, N.Y. 10003
- Day - The John Day Co., Inc., 62 West 45th St., New York City, New York 10036
- Denny - Denny Press, Des Moines, Iowa
- Dial - Dial Press, 750 Third Ave., New York, N.Y. 10017
- Digest - Digest Press, 257 Tally-Ho Rd., Arroyo Grande, Calif. 94320
- Dodd - Dodd, Mead and Co., 432 Park Ave., S., New York, N.Y. 10016
- Doubleday - Doubleday and Co., Inc., Garden City, Long Island, New York 11513
- Dutton - E.P. Dutton and Co., Inc., 201 Park Avenue South, New York, N.Y.
- Emerson - Emerson Books Inc., 251 W. 19th St., New York, N.Y. 10011
- Encyclopedia-Britannica - Encyclopedia-Britannica Press Inc., 425 North Michigan Avenue, Chicago, Ill. 60611
- Fearon - Fearon Publishers, 828 Valencia, San Francisco, Calif. 94110
- Follett - Follett Library Book Company, 1018 West Washington Blvd., Chicago, Ill. 60607
- Franklin - Franklin Publishers, 4429 North Ave., Milwaukee, Wisconsin
- Franklin & Watts, Inc., 575 Lexington Ave., New York, N.Y. 10022
- Free Press - see Macmillan
- Freeman - W.H. Freeman & Co., Publishers, 660 Market St., San Francisco, Calif. 94104

- 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., Kingsport, Tenn.
- Hale - E.M. Hale and Co., Eau Claire, Wisconsin
- Harcourt - Harcourt, Brace & World Inc., 7555 Caldwell Avenue, Chicago, Ill. 60648
- Harper - Harper & Row Publishers, 2500 Crawford Avenue, Evanston, Ill. 60201. Also 49 East 33rd St., New York, N.Y.
- Hawthorne - Hawthorne Books, Inc., 70 Fifth Avenue, New York City, New York 10011
- Heath - D. C. Heath & Co., 1815 Prairie Ave., Chicago, Ill. 60616
- Holiday - Holiday House Inc., 8W 13th St., New York, N.Y. 10011
- Holt - Holt, Rinehart and Winston Inc., 645 North Michigan Ave., Chicago, Ill. 60611
- 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
- Knopf - Alfred A. Knopf, Inc., 501 Madison Ave., New York, N.Y. 10022
- Laidlaw - Laidlaw Brothers, Thatcher and Madison Streets, River Forest, Ill. 60305
- Lippincott - J.B. Lippincott Co., E. Washington Sq., Philadelphia, Pa. 19105
- Little - Little, Brown and Co., 34 Beacon St., Boston 6, Mass.
- Littlefield - Littlefield, Adams 7 Co., 128 Oliver St., Patterson 1, N.J.
- Lothrop - Lothrop, Lee and Shepard Co., 419 Park Ave., S., New York, N.Y. 10016
- Lyons - Lyons and Carnahan, 407 East 25th St., Chicago, Ill. 60616
- Macmillan - Macmillan Co., School Department, 434 South Wabash Ave., Chicago, Ill. 60605
- Macrae - Macrae Smith Co., 225 South Street, Philadelphia, Penn.
- McGraw - McGraw-Hill Book Co., 300 West 42nd St., New York, N.Y.
- Melmont - Melmont Press, 1224 West Van Buren St., Chicago Ill. 60607
- Mentor - New American Library of World Literature Inc., 501 Madison Ave., New York, N.Y. 10022
- Messner - Julian Messner Inc., 8W. 40th St., New York, N.Y. 10018
- Morrow - William Morrow and Co., 425 Park Ave., S. New York, N.Y. 10016
- 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
- New York U.P. - New York University Press, 32 Washington Place, New York, N.Y. 10003
- Norton - W.W. Norton & Co., Inc., 55 Fifth Ave., New York, N.Y. 10003
- 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
- Open Ct. - Open Court Publishing Co., 1307 7th St., LaSalle, Ill. 61301
- Owen - F.A. Owen Publishing Co., Danville, New York
- Oxford - Oxford University Press, Inc., 417 Fifth Ave., New York, N.Y. 10016
- Pantheon - Pantheon Books Inc., 22 E 51st Street, New York, N.Y. 10022
- Pelican - Pelican Books, 330 Clipper Mill Rd., Baltimore, Maryland 21211
- Penguin - Penguin Books Inc., 3300 Clipper Mill Rd., Baltimore 11, Md. 21211
- Pocket - Pocket Books Inc., 630 Fifth Ave., New York 20, N.Y.
- Prentice-Hall - Prentice-Hall Inc., Route 9W, Englewood Cliffs, New Jersey 07632
- Princeton - Princeton University Press, Princeton, N.J. 08541
- Putnam - Putnam Publishing Co., 200 Madison Ave., New York, N.Y. 10016
- Rand-McNally - Rand-McNally & Co., Box 7600, Chicago, Illinois 60680

- Random - Random House Inc., 457 Madison Ave., New York 22, N.Y. 10022
- Rinehart - see Holt
- Roanoke - Roanoke Center Press, P.O. Box 4085, Roanoke, Virginia
- Rockford - Rockford Morning Star, Modern Math, Box 1088, Rockford, Ill. 61105
- Ronald - The Ronald Press Inc., 15 E. 26th St., New York City 10, N.Y.
- St. Martin's - St. Martin's Press Inc., 175 Fifth Ave., New York, N.Y. 10010
- Scholastic Book - Scholastic Book Services, Scholastic, Mag., 50 W 44th St., New York, N.Y. 10036
- Science - Science Research Associates Inc., 259 East Erie St., Chicago, Ill. 60611
- Scott-Foresman - Scott-Foresman and Co., 433 East Erie St., Chicago, Ill. 60611
- Scott - William R. Scott Inc., 333 Avenue of the Americas, New York, N.Y. 10014
- Scribner - Charles Scribner's Sons, 597 Fifth Ave., New York, N.Y. 10017
(Orders to Vreeland Ave., Totowa, N.J.)
- Scripta Mathematica - Scripta Mathematica, Amsterdam Ave. and 186th St., New York 33, N.Y.
- Silver-Burdett - Silver-Burdett Co., 460 South Northwest Highway, Park Ridge, Ill. 60068
- Simon - Simon and Schuster Inc., 630 Fifth Ave., New York 20, N.Y.
- Singer - The L.W. Singer Co., Inc., 5601 Northwest Highway, Chicago, Ill.
- Southern Ill. - Southern Illinois Press, Carbondale, Ill.
- State College - State College of Iowa, Field Services Division, Cedar Falls, Iowa
- Steck-Vaughn - Steck-Vaughn Co., Box 2028, Austin, Texas 78767
- Teachers - Teachers Publishing Corp., Darien, Connecticut
- Time Inc. - orders to Silver Burdett Co., Park Ave & Columbia Rd., Morristown, N.J. 07960
- Torchbooks - see Harper
- U.S. Printing - United States Government Printing Office, Bureau of Publications, Washington, D.C.
- U. of Minn. - University of Minnesota Press, 2037 University Ave., S.E., Minneapolis, Minn. 55455
- Vanguard - Vanguard Press Inc., 424 Madison Ave., New York, N.Y. 10017
- Van Nostrand - D. Van Nostrand Co., Inc., 120 Alexander St., Princeton, N.J. 08541
- Viking - The Viking Press, 625 Madison Ave., New York, N.Y. 10022
- Walch - J. Weston Walch Co., Portland, Maine
- Walck - Walck Publishing Co., 19 Union Square W., New York, N.Y. 10003
- Webster-McGraw-Hill - Webster Division-McGraw-Hill Book Co., Manchester Rd., Manchester, Missouri 63062
- Westwood - Westwood Books, 1160 San Fernando Rd., Los Angeles, Calif. 90065
- Whittlesey - Whittlesey House, 330 W. 42nd St., New York, N.Y. 10036
- Wiley - John Wiley and Sons, 605 Third Ave., New York, N.Y. 10016
- Wonder - Wonder Books, (order to Grossett & Dunlap, 51 Madison Ave., New York, N.Y.)
- World Pub. - The World Publishing Co., 119 W. 57th St., New York, N.Y. 10019
- Yale - Yale University Press, 140 York St., New Haven, Conn. 06511

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