

COORDINATING NUMBER AND COMPUTATION CONCEPTS

Reference List of Books Available in the LRC

- 1) Barson, A. (1997). Solve It 2: Manipulative Math Puzzles. Parsippany, NJ: Good Apple.
Grades 6-8: Blackline Masters
Topics: Twenty-four manipulative math puzzles
Manipulatives: Number math cards that can be reproduced from book.
- 2) Bennett, A. (1991). Fraction Bars. Fort Collins, CO: Scott Resources.
Grades 2-7: Lesson Plans, Blackline Masters, Follow-up.
Topics: Program for teaching fractions concepts utilizing fraction bars.
Manipulatives: Fraction bars.
- 3) Bernstein, B. (1996). The Math Lab: Hands-on Math Activities. Torrance, CA: Frank Schaffer Publications.
Grades 6-8: Blackline Masters
Topics: 33 problem solving activities that can be used to introduce new math concepts or for problem solving activities.
Manipulatives: Reproducible number cards, dice, playing cards.
- 4) Bitter, G., & Mikesell, J. (1998). Using the Explorer Plus Calculator. White Plains, NY: Dale Seymour Publications.
Grades 5-8: Lesson Plans, Blackline Masters, Follow-up.
Topics: 26 lessons that can be used to enhance curriculum with corresponding calculator use.
Also includes 18 high-order thinking activities to use with the calculator.
Manipulatives: Explorer Plus Calculator
- 5) Bosse, N. (1995). Mathematical Pathways Through Literature. Mountain View, CA: Creative Publications. Available in individual books for Grades 4, 5, and 6.
Grades 4-6: Lesson Plans, Follow-up.
Topics: Each book offers 12 math lessons followed by 2 extensions based on a literature book.
Manipulatives: Rainbow Cubes, rulers, dice, fraction circles, playing cards, measuring tapes.
- 6) Bosse, N. (1995). Writing Mathematics. Mountain View, CA: Creative Publications.
Grade 6: Lesson Plans, Blackline Masters, Follow-up.
Topics: Ten multi-day lessons, which connect writing experiences to the investigation of key mathematical ideas.
Manipulatives: Pattern Blocks, fraction circles, compass, rulers, spinners, dice.
- 7) Bradford, J. (1981). Everything's Coming Up Fractions with Cuisenaire Rods. New Rochelle, NY: Cuisenaire Company of America, Inc.
Grades 4-6: Blackline masters.
Topics: The meaning of fractions is reinforced with the use of Cuisenaire rods.
Manipulatives: Cuisenaire Rods
- 8) Bright, G., & Williams, S. (1998). Investigating Mathematics with Calculators in the Middle. Dallas, TX: Texas Instruments Inc.
Grades 5-8: Lesson Plans, Blackline Masters, Follow-up
Topics: Spanish resource for explorations with the TI-30Xa SE and TI-34.
Manipulatives: TI-30Xa SE and TI-34 calculators.
- 9) Brodie, J. (1995). Constructing Ideas About Fractions. Mountain View, CA: Creative Publications.
Grades 3-6: Lesson Plans, Blackline Masters, Follow-up.
Topics: Exploring the concept of fractions.
Manipulatives: Fraction Circles, rainbow cubes, crayons.
- 10) Brodie, J. (1995). Constructing Ideas About Large Numbers. Mountain View, CA: Creative Publications.
Grades 3-6: Lesson Plans, Blackline Masters, Follow-up.
Topics: Exploring the concept of large numbers.
Manipulatives: Base Ten Blocks

- 11) Brodie, J. (1995). Constructing Ideas About Multiplication and Division. Mountain View, CA: Creative Publications.
Grades 3-6: Lesson Plans, Blackline Masters, Follow-up.
Topics: Exploring the concept of multiplication and division.
Manipulatives: Base Ten Blocks
- 12) Bush, W., & Leinwand, S. (Eds.). (2000). Mathematics Assessment: A Practical Handbook. Reston, VA: National Council of Teachers of Mathematics, Inc.
Grades 6-8: Assessment Tasks
Topics: Mathematics assessment in the Middle Grades Classroom
- 13) Charles, L., & Roper, A. (1990). Activities For Fractions Circles Plus. Sunnyvale, CA: Creative Publications.
Grades 5-8: Blackline Masters
Topic: Activities to use with fraction circles covering the concept of fractions.
Manipulatives: Fraction Circles
- 14) Charles, L. (1991). Four-Function Calculator Jobcards. Sunnyvale, CA: Creative Publications.
Grades 4-8: Job cards with activities for copying, follow-up.
Topics: 22 activity cards designed to introduce students to most of the features of a four-function calculator.
Manipulatives: Four-function calculator.
- 15) Charles, L., Brummett, M., McDonald, H., & Westly, J. (1998). MathLand. Mountain View, CA: Creative Publications.
Grades K-6: Textbook Curriculum
Topics: Curriculum program for grades K-6.
Manipulatives: Varied
- 16) Charles, L., & Brummett, M. (1989) Workmat Math: Understanding Place Value: Multiplication & Division. Sunnyvale, CA: Creative Publications.
Grades 2-5: Lesson Plans, Blackline Masters, Follow-up.
Topics: Understanding place value concepts with multiplication and division problems using two- and three- digit numbers.
Manipulatives: Place Value Blocks
- 17) Childs, L., & Choate, L. (1998). Nimble with Numbers. White Plains, NY: Dale Seymour Publications.
Grades 4-5: Lesson Plans, Blackline Masters, Follow-up.
Topics: Activities and games that reinforce basic number sense, operation sense, and number competence while encouraging problem solving.
Manipulatives: Dice, spinners, reproducible digit cards, coins, markers.
- 18) Clarkson, S. (1985). 100 Activities for the Hundred Number Board. Oak Lawn, IL: Ideal School Supply Company.
Grades 2-5: Blackline Masters
Topics: Activities and games to use with the hundred number board to teach number theory.
Manipulatives: Hundred Number Board, Markers
- 19) Coburn, T. (1988). Problem Solving with Calculators: Whole Number Operations. Sunnyvale, CA: Creative Publications.
Grades 6-8: Blackline Masters
Topics: Problem-solving activities with the calculator involving whole number operations.
Manipulatives: Calculator
- 20) Coburn, T. (1988). Problem Solving with Calculators: Whole Numbers, Decimals, Percents. Sunnyvale, CA: Creative Publications.
Grades 6-8: Blackline Masters
Topics: Problem-solving activities with the calculator involving whole numbers, decimals, and percents.
Manipulatives: Calculator

- 21) Cooney, M. (Eds.). (1996). Celebrating Women in Mathematics and Science. Reston, VA: National Council of Teachers of Mathematics.
Grades 4-12.
Topics: The story of 22 women who have affected mathematics and science.
- 22) Conrad, S., & Flegler, D. (1994). Math Contests: Grades 4, 5, & 6 Volume 2. Tenafly, NJ: Math League Press.
Grades 4-6: Blackline Masters
Topic: Math League Contest Problems from 1986-87 & 1990-91.
Manipulatives: None
- 23) Cook, N. (1995). Washington MESA: Classifying Fingerprints. Parsippany, NJ: Dale Seymour
Grades 6-8: Lesson Plans, Blackline Masters, Follow-up.
Topic: Using fingerprints in criminal investigations, students have the opportunity to study a real-world use of a number system other than the decimal system (binary system).
Manipulatives: Reproducible fingerprint cards, magnifying glass.
- 24) Cook, N. (1994). Washington MESA: In the Pharmacy. White Plains, NY: Dale Seymour
Grades 6-8: Lesson Plans, Blackline Masters, Follow-up.
Topic: Students sample activities performed by pharmacists and the numbers involved. Concepts covered are ratios, proportions, percents, mixtures, and dilutions.
Manipulatives: Bag of M&M's, calculator, Color Tiles.
- 25) Cook, N. (1994). Washington MESA: Secret Codes. Parsippany, NJ: Dale Seymour Publications.
Grades 6-8: Lesson Plans, Blackline Masters, Follow-up.
Topic: Students explore the mathematics involved with cryptology by devising, enciphering, and deciphering codes.
Manipulatives: Calculator, Square Tiles, dice.
- 26) Countryman, J. (1992). Writing to Learn Mathematics. Portsmouth, NH: Heinemann.
Grades 2-12
Topic: Demonstrates how to use journals, learning logs, letters, autobiographies, investigations, and formal papers to improve mathematics reasoning abilities.
- 27) D'Agnese, J. (1997). Brain-Boosting Math Activities. New York, NY: Scholastic.
Grade 5: Blackline Masters
Topics: Activities involving the following concepts: place value, addition, subtraction, multiplication, division, geometry, measurement, fractions, decimals, data and statistics, probability, ratio and proportion.
Manipulatives: Counters, metric rulers.
- 28) Education Development Center, Inc. (1993). The Language of Numbers. Portsmouth, NH: Heinemann.
Grades 6-8: Lesson Plans, Blackline Masters, Follow-up.
Topic: 13 lessons where students invent, explore, and compare systems for representing numbers.
Manipulatives: Pipe cleaners, beads, abacus.
- 29) Fair, J., & Melvin, M. (1986). Kid Are Consumers Too! Boston, MA: Addison-Wesley Publishing
Grades 3-8: Lesson plans, Lesson Plans, Blackline Masters, Follow-up.
Topics: 100 activities based on students as consumers covering such concepts as decimals, fractions, geometry, graphing, measurement, money, number theory.
Manipulatives: Game spinners, rulers, meter sticks, balance scales, measuring containers.
- 30) Garland, T. (1987). Fascinating Fibonacci: Mystery and Magic in Numbers. Palo Alto, CA: Dale Seymour Publications.
Grades 6-12:
Topics: Explores Fibonacci numbers and ratios, including their occurrence in natural phenomena, their mathematical properties, and a historical perspective.
- 31) Hamel, T., & Woodward, E. (1995). Fraction Concepts: Using Fraction Circles and the Math Explorer Calculator. Portland, ME: J. Weston Walch Publisher.
Grades 5-8: Lesson Plans, Blackline Masters, Follow-up.

Topics: Covers basic fraction concepts and problem solving techniques using fraction circles and the Math Explorer calculator.

Manipulatives: Fraction Circles, Math Explorer Calculator

- 32) Holden, L. (1987). Fraction Factory: Games & Puzzles. Sunnyvale, CA: Creative Publications. Grades 3-6: Lesson Plans, Blackline Masters, Follow-up.
Topics: Games and puzzles using Fraction Factory Pieces that provide practice and reinforcement of fraction concepts.
Manipulatives: Fraction Factory Pieces.
- 33) Holden, L., & Roper, A. (1987). ThinkerGames. Sunnyvale, CA: Creative Publications. Grades 4-6: Blackline Masters, Follow-up.
Topics: 40 one-page games that provide practice and enrichment for the concepts of logic, numbers, and perception.
Manipulatives: Two-color counters, dice, spinner, 2 cm cubes in 2 colors.
- 34) Hope, J., Reys, B., & Reys, R. (1988). Mental Math in Junior High. Palo Alto, CA: Dale Seymour
Grades 7-9: Lesson Plans, Blackline Masters, Assessment, Follow-up.
Topics: Students learn to calculate mentally and help reinforce concepts such as estimation, place value, math operations, and basic number properties.
- 35) Hope, J., Reys, B., & Reys, R. (1988). Mental Math in Middle Grades. Palo Alto, CA: Dale Seymour Publications.
Grades 6-8: Lesson Plans, Blackline Masters, Assessment, Follow-up.
Topics: Students learn to calculate mentally and help reinforce concepts such as estimation, place value, math operations, and basic number properties.
- 36) Hoozeboom, S., & Goodnow, J. (1991). Math Explorer: Calculator Jobs. Sunnyvale, CA: Creative Publications.
Grades 5-8: Job cards with activities for copying, follow-up.
Topics: Twenty activity to introduce students to the features and uses of the Math Explorer calculator.

Manipulatives: Math Explorer Calculator.
- 37) Johnson, S. (Eds.). (1994). Beyond Activities: The Maharajas' Tasks: Investigating Division. Mountain View, CA: Creative Publications.
Grades 4-6: Lesson Plans, Blackline Masters, Assessment, Open-Ended Problems, Follow-up.
Topics: Replacement curriculum for the concept of whole number division. Bilingual.
Manipulatives: Yarn, counters.
- 38) Johnson, S. (Eds.). (1994). Beyond Activities: Get to the Point! Investigating Decimals. Mountain View, CA: Creative Publications.
Grades 4-6: Lesson Plans, Blackline Masters, Assessment, Open-Ended Problems, Follow-up.
Topics: Replacement curriculum for the concept of exploring decimals. Bilingual.
Manipulatives: Cord, meter stick, blank dice, spinners, tangrams, counters.
- 39) Johnston, E. (Eds.). (1998). Explorations: Discovering Mathematics with the TI-73. Dallas, TX: Texas Instruments, Inc.
Grades 7-8: Lesson Plans, Blackline Masters, Follow-up.
Topics: Activities with the TI-73 that explore such concepts as fractions, integer division, data and statistics, and probability.
Manipulatives: Candy, straws, meter stick, string.
- 40) Kaplin, A. (1998). Math on Call. Wilmington, MA: Great Source Education Group.
Grades 6-8.
Topics: Reference book on math covered in the middle school. Student workbooks are available.
- 41) Lappen, G., Fitzgerald, W., Winter, M., & Phillips, E. (1986). Middle Grades Mathematics Project: Similarity and Equivalent Fractions. Menlo Park, CA: Addison-Wesley Publishing Group.
Grades 5-8: Lesson Plans, Blackline Masters, Follow-up.
Topics: Students develop an understanding of similar figures and equivalent fractions through indirect measure, scale models, and the nature of growth.

Manipulatives: Rubber Bands, rulers, geometric shapes.

- 42) Laycock, M., & Holmberg, V. (1975) After Math I, II, III, IV. Palo Alto, CA: Dale Seymour. Grades 5-9: Blackline Masters.
Topics: Enrichment books designed to reinforce regular curriculum as well as introduce new concepts. Activities emphasize problem solving and creativity.
- 43) Laycock, M., McLean, P., & Smart, M. (1990). Building Understanding With Base Ten Blocks. Hayward, CA: Activity Resources Co., Inc.
Grades 3-6: Lesson Plans, Blackline Masters.
Topics: Using base-ten blocks, student's build understanding for place value, addition, subtraction, multiplication, and division of whole numbers, decimals, and percents.
Manipulatives: Base-ten blocks (reproducible available).
- 44) Lee, M., & Miller, M. (1997). Real-Life Math Investigations. New York, NY: Scholastic, Inc. Grades 5-8: Lesson Plans, Blackline Masters, Follow-up.
Topics: Short activities that explore real-life mathematics such as time, money, size and shape, and numbers.
Manipulatives: Money, road atlas, assorted take-out menus, protractors, measuring tools, balls.
- 45) Lenchner, G. (1990). Mathematical Olympiad Contest Problems. East Meadow, NY: Glenwood Publications, Inc.
Grades 3-6: Blackline Masters.
Topic: Math Olympiad contest problems for students to complete. Include problems, hints, and solutions.
- 46) MacDonnell, M. (Ed.). (1999). Middle Grades Assessment: Mathematics: Package 1. White Plains, NY: Dale Seymour Publications.
Grades 5-9: Lesson Plans, Blackline Masters, Assessment, and Samples of student responses.
Topics: Fourteen assessment problems for use in the middle grades. Resource for open-ended problems.
- 47) MacDonnell, M. (Ed.). (1999). Middle Grades Assessment: Mathematics: Package M2. White Plains, NY: Dale Seymour Publications.
Grades 5-9: Lesson Plans, Blackline Masters, Assessment, and Samples of student responses.
Topics: Eighteen assessment problems for use in the middle grades. Resource for open-ended problems.
- 48) MacDonnell, M. (Ed.). (1999). The Super Source: Number. White Plains, NY: Cuisenaire Company of America.
Grades 7-8: Lesson Plans, Blackline Masters, Assessment, Samples of student responses.
Topics: Manipulative based activities on the concepts of fractions, percents, estimation and number sense, puzzles, and riddles.
Manipulatives: Geoboards, Color Tiles, Snap Cubes, Cuisenaire Rods, Pattern Blocks, Tangrams.
- 49) MacDonnell, M. (Ed.). (1999). The Super Source: Patterns and Functions. White Plains, NY: Cuisenaire Company of America.
Grades 7-8: Lesson Plans, Blackline Masters, Assessment, and Samples of student responses.
Topics: Manipulative based activities on the concepts of patterns, and functions.
Manipulatives: Geoboards, Color Tiles, Snap Cubes, Cuisenaire Rods, Pattern Blocks, Tangrams.
- 50) McIntosh, A., Reys, B., Reys, R., & Hope, J. (1997). Number Sense. Palo Alto, CA: Dale Seymour
Grades 4-6: Lesson Plans, Blackline Masters, Follow-up.
Topics: Exploring mental computation, estimation, relative size, multiple representation, number relationships, reasonableness.
- 51) Miller, M., & Lee, M. (1994). Estimation Investigations. New York, NY: Scholastic Professional.
Grades 4-6: Blackline masters.
Topics: 65 activities on concepts such as number sense, measurement, proportions, time, percents, money, geometry, data collection, functions, statistics.

- 52) National Council of Teachers of Mathematics. (1999). Activities for Junior High School and Middle School Mathematics. Reston, VA: National Council of Teachers of Mathematics.
 Grades 5-9.
 Topics: Ninety articles taken from the *Arithmetic Teacher*, *Teaching Children Mathematics*, *Mathematics Teaching in the Middle School*, and *Mathematics Teacher*.
- 53) Leiva, M. (Ed.). (1993). Curriculum and Evaluation Standards for School Mathematics: Number Sense and Operations. Reston, VA: National Council of Teachers of Mathematics.
 Grades K-6: Lesson Plans, Blackline Masters, Follow-up.
 Topics: Address what students should learn about number sense and operations and how they should learn it in K-6. Activities are provided for each grade level.
 Manipulatives: Numerous.
- 54) Curcio, F. (Ed.). (1991). Curriculum and Evaluation Standards for School Mathematics: Developing Number Sense. Reston, VA: National Council of Teachers of Mathematics.
 Grades 5-8: Lesson Plans, Blackline Masters, Follow-up.
 Topics: Address what students should learn about number sense and how they should learn it in 5-8. Activities are provided for each grade level.
 Manipulatives: Numerous.
- 55) National Council of Teachers of Mathematics. (2000). Principles and Standards for School Mathematics. Reston, VA: National Council of Teachers of Mathematics.
 Grades K-12.
 Topics: Principles and Standards for Mathematics with activities listed to help achieve these.
- 56) Nichols, J. (1997). Brain-Boosting Math Activities. New York, NY: Scholastic.
 Grade 6: Blackline Masters
 Topics: Activities involving the following concepts: place value, addition, subtraction, multiplication, division, geometry, measurement, fractions, decimals, data and statistics, probability, ratio and proportion.
 Manipulatives: Candy, measurement scales, square counters, Dice, cm tape measure.
- 57) O'Conner, V., & Hynes, M. (Eds.). (1997). Mission Mathematics: Linking Aerospace and NCTM Standards. Reston, VA: National Council of Teachers of Mathematics.
 Grades 5-8: Lesson Plans, Blackline Masters, Follow-up.
 Topics: Joint project between NASA and NCTM. Materials integrate mathematics and science.
 Manipulatives: Numerous.
- 58) Page, D., & Chval, K. (1995). Maneuvers with Fractions. Palo Alto, CA: Dale Seymour.
 Grades 5-8: Lesson Plans, Blackline Masters, Assessment, and Enrichment. Student Lab Book.
 Topics: Content includes proportions, scale models, operations with fractions, comparison of fractions, prime numbers, time and parts per million. A University of Illinois project.
 Manipulatives: Playing cards, rulers, markers, calculators, and Cuisenaire rods.
- 59) Perl, T. (1993). Women and Numbers. San Carlos, CA: Wide World Publishing.
 Grades 5-12
 Topics: Biographies of women mathematicians of the 19th and 20th centuries with math activities to enhance learning.
- 60) Pinczes, E. (1993). One Hundred Hungry Ants. New York, NY: Harcourt Brace & Company.
 Grades 1-6.
 Topic: Story of 100 ants and how they can be divided into groups.
- 61) Real World Education. (1990). Real World Math. Whittier, CA: Real World Educational Products.
 Grades 6-12: Blackline Masters
 Topic: This activity is called "The Building Game." Students are part-owners of a company. The object of the game is to win a profitable construction contract. While doing the math, the students learn about real world business concepts.
- 62) Rohrer, D. (1994). More Thought Provokers. Berkeley, CA: Key Curriculum Press.
 Grades 9-12: Blackline Masters.

Topics: 50 provocative problems. Creative, instructive puzzles that foster cooperative learning and develop critical thinking skills.

- 63) Roper, A. (1991). Cooperative Problem Solving with Calculators. Mountain View, CA: Creative Publications.
Grades 4-6: Blackline Masters
Topics: 72 math problems to be solved in-groups of four using calculators. 4 clues are provided and students need to share and discuss information to solve the problem.
- 64) Sanchez, L. (1995). Linking Math and Technology: Grades 4, 5, and 6. Mountain View, CA: Creative Publications.
Grades 4-6: Individual books for each grade. Lesson Plans.
Topics: Series links math and technology. Correlated with projects in MathLand series. Some concepts covered: Data Analysis, Logical Thinking, Number Relations, Patterns, Functions, Geometry, Probability, Visual Thinking, Statistics.
Manipulatives: Spreadsheet software program such as The Cruncher, and Multimedia Workshop. Attribute Pieces, Fraction Circles, Base Ten Blocks, Polygon Tiles, Pattern Blocks.
- 65) Silbert, J. (1997). Brain-Boosting Math Activities. New York, NY: Scholastic, Inc.
Grade 4: Blackline Masters
Topics: Activities involving the following concepts: place value, addition, subtraction, multiplication, division, geometry, measurement, fractions, decimals, data and statistics, probability, ratio and proportion.
Manipulatives: Playing cards, metersticks.
- 66) Souviney, R., Britt, M., Gargiulo, S., & Hughes, P. (1990). Mathematical Investigations: Book One, Two, and Three. Palo Alto, CA: Dale Seymour Publications.
Grades 8-12: Lesson Plans, Blackline Masters, Assessment, Follow-up.
Topics: Book One: Series of situational lessons in geometry, patterns, operations rules, photography, and genetics.
Book Two: Series of situational lessons in understanding networks, discovering rules, sports math, exploring rates, and using maps.
Book Three: Series of situational lessons in money matters, using scales, understanding finance, evaluating loans, take a chance, and linear problems.
- 67) Stone, B., & Patilla, P. (1995). Rediscovering Fractions. Glen Burnie, MD: Nes Arnold Inc.
Grades 5-9: Blackline Masters, Follow-up.
Topics: Students explore different aspects of fractions using Multilink Cubes, Prisms, and Isos.
Manipulatives: Multilink Cubes, Prisms, and Isos.
- 68) Walker, K., Reak, C., & Stewart, K. (1995). Twenty Thinking Questions for Fraction Circles. Mountain View, CA: Creative Publications.
Grades 3-6: Lesson Plans, Follow-up, Journal Reflection.
Topics: Focusing on the manipulative fraction circles, students explore 20 questions concerning them.
Manipulatives: Fraction Circles.
- 69) Ward, S. (1995). Constructing Ideas About Fractions, Decimals, and Percents. Mountain View, CA: Creative Publications.
Grades 6-8: Lesson Plans, Blackline Masters, Follow-up.
Topics: Explores the concepts of fractions, decimals, and percents and their relationships using manipulatives.
Manipulatives: Fraction Circles, Rainbow Cubes, Base Ten Blocks.
- 70) Williams, S., & Bright, G. (1998). Explorations: Investigating Mathematics with Calculators in the Middle Grades. Dallas, TX: Texas Instrument Inc.
Grades 5-8: Lesson Plans, Blackline Masters, Follow-up.
Topics: Teaching how to use calculators with mathematics. Some concepts covered divisibility rules, prime numbers, fractions, problems solving, patterns, etc.

Manipulative: Fraction calculator.

- 71) Yeager, D. (1983). Story Problems: Fraction, Decimal, Percent. Palo Alto, CA: Creative Publications.
 Grades 4-8: Blackline Masters.
 Topics: Story problems that involve all concepts of fractions, decimals, and percents.

Series Books

The following books are part of series that are available at different grade levels for those who are interested in using them.

Mathematical Path Ways Through Literature

Bosse, N. (1995). Mathematical Pathways Through Literature. Mountain View, CA: Creative Publications.
 Topics: Each book offers 12 math lessons followed by 2 extensions based on a literature book.
 Manipulatives: Rainbow Cubes, rulers, dice, fraction circles, playing cards, measuring tapes.
 Available for grades 1-6.

Writing Mathematics

Bosse, N. (1995). Writing Mathematics. Mountain View, CA: Creative Publications.
 Topics: Ten multi-day lessons, which connect writing experiences to the investigation of key mathematical ideas.
 Manipulatives: Varied depending on grade level.
 Available for grades 1-6.

Constructing Idea Series

Brodie, J. (1995). Constructing Ideas About Mountain View, CA: Creative Publications.

<i>Primary (Grades 1-3)</i>	<i>Intermediate (Grades 3-6)</i>	<i>Middle School (Grades 6-8)</i>
Constructing Ideas about Counting	Constructing Ideas about Multiplication and Division	Constructing Ideas about Data Analysis
Constructing Ideas about Number Combinations	Constructing Ideas about Large Numbers	Constructing Ideas about Fractions, Decimals, and Percent
Constructing Ideas about Patterns	Constructing Ideas about Fractions	Constructing Ideas about Geometry

WorkMat Math

Charles, L., & Brummett, M. (1989) WorkMat Math... Sunnyvale, CA: Creative Publications.

- WorkMat Math: Getting Started
- WorkMat Math: Understanding Operations
- WorkMat Math: Understanding Place Value
- WorkMat Math: Story Problems on Their Own
- WorkMat Math: Thinking Through Story Problems

Nimble With Numbers

Childs, L., & Choate, L. (1998). Nimble with Numbers. White Plains, NY: Dale Seymour Publications.

Topics: Activities and games that reinforce basic number sense, operation sense, and number competence while encouraging problem solving.

The Nimble with Numbers series includes books at these levels:

Grades 1 and 2	Grades 4 and 5
Grades 2 and 3	Grades 5 and 6
Grades 3 and 4	Grades 6 and 7

Math Series

Kaplin, A. (1998). Math on Call. Wilmington, MA: Great Source Education Group

Topics: Reference book on math covered school. Student workbooks are available.

Grades 1 and 2: Math to Learn	Grades 6 - 8: Math on Call
Grades 3 and 4: Math to Know	Grades 8 and up: Algebra to Go
Grades 5 and 6: Math on Hand	Grades 8 and up: Geometry to Go

Number Sense

McIntosh, A., Reys, B., Reys, R., & Hope, J. (1997). Number Sense. Palo Alto, CA: Dale Seymour

Topics: Exploring mental computation, estimation, relative size, multiple representation, number relationships, reasonableness.

NumberSense is available for grades 1-2, 3-4, and 4-6, 6-8.

Linking Math and Technology

Sanchez, L. (1995). Linking Math and Technology. Mountain View, CA: Creative Publications.

Topics: Series links math and technology. Correlated with projects in MathLand series. Some concepts covered: Data Analysis, Logical Thinking, Number Relations, Patterns, Functions, Geometry, Probability, Visual Thinking, Statistics.

Manipulatives: Spreadsheet software program such as The Cruncher, and Multimedia Workshop.

Attribute Pieces, Fraction Circles, Base Ten Blocks, Polygon Tiles, Pattern Blocks.

Available in Grades 1-6.

Washington MESA: Real-World Mathematics Through Science

Written by either Cook, Nancy or Johnson, Christine in 1994 and 1995, depending on the book.

Grades 6-8: Could be used in higher levels.

Publisher: Dale Seymour Publications: Parsippany, New Jersey

In the Air	Investigating Apples	Measuring Earthquakes	In the Pharmacy
Packaging and the Environment	Classifying Fingerprints	Measuring Dinosaurs	Secret Codes
In the Wind	Designing Environments		

Twenty Thinking Questions Series

Walker, K., Reak, C., & Stewart, K. (1995). Twenty Thinking Questions for ... Mountain View, CA: Creative Publications.

<i>Primary (Grades 1-3)</i>	<i>Intermediate (Grades 3-6)</i>	<i>Middle School (Grades 6-8)</i>
20 Thinking Questions for Pattern Blocks	20 Thinking Questions for Pattern Blocks	20 Thinking Questions for Pattern Blocks
20 Thinking Questions for Linker Cubes	20 Thinking Questions for Rainbow Cubes	20 Thinking Questions for Rainbow Cubes
20 Thinking Questions for Base Ten Blocks	20 Thinking Questions for Base Ten Blocks	20 Thinking Questions for Base Ten Blocks

20 Thinking Questions for
Shapes & Sizes Attribute Pieces

20 Thinking Questions for
Fraction Circles

20 Thinking Questions for
Fraction Circles

20 Thinking Questions for
Sorting Treasures

20 Thinking Questions for
Geoboards

20 Thinking Questions for
Geoborads

The Super Source Series

MacDonnell, M. (Ed.). (1999). The Super Source. White Plains, NY: Cuisenaire Company of America
Topics: Manipulative based activities

Grades K - 2
Color Tiles

Grades 3-4
Color Tiles

Grades 5-6
Color Tiles

Grades 7-8
Geometry

Geoboards

Geoboards

Geoboards

Number

Snap Cubes

Snap Cubes

Snap Cubes

Measurement

Base Ten Blocks

Base Ten Blocks

Base Ten Blocks

Probability and
Statistics

Cuisenaire Rods

Cuisenaire Rods

Cuisenaire Rods

Pattern Blocks

Pattern Blocks

Pattern Blocks

Patterns and
Functions

Tangrams

Tangrams

Tangrams