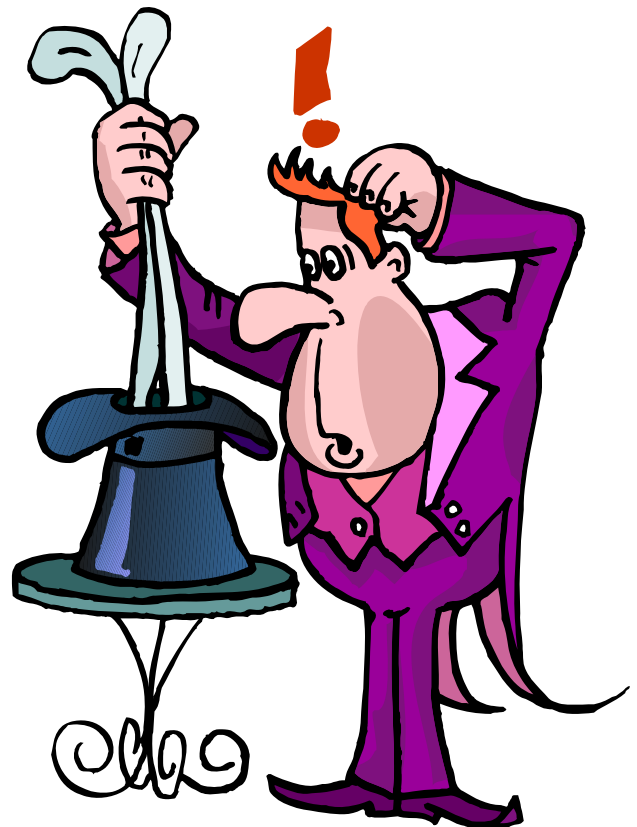


What are Magic Words?

Magic Words help math students explain WHY they solve problems in a certain way.

Use these Magic Words when you want to explain your mathematics work:

- To find...
- To get...
- To see...
- To figure out...
- To show...
- To prove...
- Because...
- Since...
- Therefore...



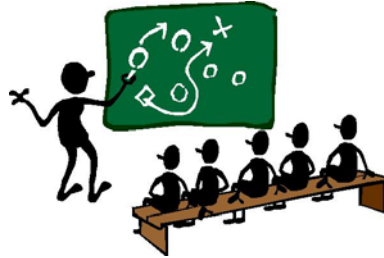
Tips for Solving Word Problems

1. **Show** all your work on the work side.
2. **Number** each step of your work.
3. **Label** the answer of each step.
4. **Write** an explanation for each step of your work.
5. **Number** each explanation step.
6. **Tell** what you did without using any numbers.
7. **Use** *Magic Words* in each explanation.
8. **Write** your final answer, with labels.



<u>WORK</u>	<u>EXPLANATION</u>
1.	1.
Final Answer:	

Problem Solving Strategies



- ☑ Act It Out
- ☑ Use Objects
- ☑ Choose an Operation
- ☑ Guess and Check
- ☑ Look for a Pattern
- ☑ Use Logical Reasoning
- ☑ Draw a Picture
- ☑ Make a Table
- ☑ Make an Organized List
- ☑ Work Backwards
- ☑ Solve a Simpler Problem
- ☑ Write an Equation



Mathematics Materials List 2009



Grade One

Pearson enVision, 2009

Student Edition

Premium Digital System Upgrade (Student Edition users - 6 year license)

Teacher's Edition

Teacher's Resource Package

- Teacher Resource Masters 1-20
- 1 - Topics 1-20 Teaching Tool Master
- Overview and Implementation Guide
- Topic 1 - Numbers to 12
- Topic 2 - Comparing and Ordering Numbers
- Topic 3 - Understanding Addition
- Topic 4 - Understanding Subtraction
- Topic 5 - Five and Ten Relationships
- Topic 6 - Addition Facts to 12
- Topic 7 - Subtraction Facts to 12
- Topic 8 - Geometry
- Topic 9 - Patterns
- Topic 10 - Counting and Number Patterns to 100
- Topic 11 - Tens and Ones
- Topic 12 - Comparing and Ordering Numbers 100
- Topic 13 - Counting Money
- Topic 14 - Measurement
- Topic 15 - Time
- Topic 16 - Addition Facts to 18
- Topic 17 - Subtraction Facts to 18
- Topic 18 - Data and Graphs
- Topic 19- Fractional Parts
- Topic 20 - Adding and Subtracting with Tens and Ones

Teacher Access Pack Premium Digital System

Diagnosis and Intervention System

PSSA Math Test Prep with Teacher's Guide

Guided Problem Solving Math Library

Visual Learning Bridge Transparencies

Interactive Math Stories Big Book

Center Manipulative Kit

- 100 foam cubes, 2 number cubes, 10 number tiles

Investigations in Number, Data, and Space

Curriculum Units Pkg.

Resource Package

Transparencies/blackline

16 sets numeral cards

32 rulers

2 sets fraction dice

16 array cards

16 sets of bldg. straws

1 pad hundreds chart

Family letters

Pad geoboard dot paper

Pad 1" graph paper

Pad 3/4" graph paper 8X11

Pad 3/4"graph paper 11x17

Pad 1cm graph paper

Assessment Sourcebook

Student Materials Kit

3 rolls of adding mach.tape

750 coins & 320 paper \$

10 measuring tapes

1 set geometric solids

10 cm rulers

50 lima bean seeds

400 square color tiles

100 colored cubes

16 sets wooden geoboards

2000 snap cubes

5 sets wooden blocks (250@set)

MATH TEXT ALIGNMENT TO ASSESSMENT ANCHORS

Grade 1

Lesson	Assessment Anchor	Lesson Title
Topic 1: Numbers to 12		
1-1	M3.A.1.1.1	0 to 5
1-2	M3.A.1.1.1	6 to 10
1-3	M3.A.1.1.1	10, 11, 12
1-4	M3.D.1.1.2	Spatial Pattern for Numbers to 9
1-5	M3.D.1.1.2	Spatial Pattern for Numbers to 10
1-6	M3.A.3.1.1; M3.A.2.1.2	Problem-Solving Strategy: Use Objects
Topic 2: Comparing and Ordering Numbers		
2-1	M3.A.1.1.3	Comparing Two Numbers
2-2	M3.A.1.1.4	Ordering Three Numbers
2-3	M3.A.1.1.4	Ordering Numbers to 12 with a Number Line
2-4		Problem Solving Strategy: Act it Out
Topic 3: Understanding Addition		
3-1	M3.A.1.1.1	Making 6 and 7
3-2	M3.A.1.1.1	Making 8
3-3	M3.A.1.1.1	Making 9
3-4	M3.A.3.1.1; M3.D.2.1.2	Introducing Addition Number Sentences
3-5	M3.A.3.1.1	Sentences About Joining
3-6	M3.A.1.1.4	Adding in Any Order
3-7	M3.A.3.1.1; M3.A.2.1.2	Problem-Solving Strategy: Use Objects
Topic 4: Understanding Subtraction		
4-1	M3.D.2.2.1	Finding Missing Parts of 6 and 7
4-2	M3.D.2.2.1	Finding Missing Parts of 8
4-3	M3.D.2.2.1	Finding Missing Parts of 9
4-4	M3.A.3.1.3	Introducing Subtraction Number Sentences
4-5	M3.D.2.1.1	Stories About Separating
4-6	M3.D.2.1.1	Stories About Comparing
4-7	M3.A.2.1.1	Connecting Addition and Subtraction
4-8	M3.A.3.1, M3.D.2.1.2	Problem-Solving Strategy: Use Objects
Topic 5: Five and Ten Relationships		
5-1	M3.A.1.1.1	Representing Numbers on a Ten-Frame
5-2	M3.A.1.1.1	Recognizing Numbers on a Ten-Frame
5-3	M3.A.1.1.1	Parts of 10
5-4	M3.D.2.2.1	Finding Missing Parts of 10
5-5	M3.E.1.2.1	Problem Solving: Make a Table

MATH TEXT ALIGNMENT TO ASSESSMENT ANCHORS

Grade 1

Lesson	Assessment Anchor	Lesson Title
Topic 6: Addition Facts to 12		
6-1	M3.A.3.1.1	Adding with 0, 1, 2
6-2	M3.A.3.1.1	Doubles
6-3	M3.A.3.1.1	Near Doubles
6-4	M3.A.3.1.1	Facts with 5 on a Ten-Frame
6-5	M3.A.3.1.1	Making 10 on a Ten-Frame
6-6	M3.D.2.1.1; M3.A.3.1.1	Problem Solving: Draw a Picture and Write a Number Sentence
Topic 7: Subtraction Facts to 12		
7-1	M3.A.3.1.1	Subtracting with 0, 1, 2
7-2	M3.A.3.1.1	Thinking Addition
7-3	M3.A.2.1.1	Thinking Addition to 8 to Subtract
7-4	M3.A.2.1.1	Thinking Addition to 12 to Subtract
7-5	M3.D.2.1.1; M3.A.3.1.1	Problem Solving: Draw a Picture and Write a Number Sentence
Topic 8: Geometry		
8-1		Identifying Plane Shapes
8-2		Properties of Plane Shapes
8-3		Making New Shapes with Shapes
8-4		Breaking Apart Shapes to Make Shapes
8-5		Ways to Move Shapes
8-6		Congruence
8-7		Symmetry
8-8		Problem Solving: Make an Organized List
8-9		Identifying Solid Figures
8-10		Flat Surfaces and Corners
8-11		Sorting Solid Figures
Topic 9: Patterns		
9-1	M3.D.1.1.1	Describing Patterns
9-2	M3.D.1.1.1	Using Patterns to Predict
9-3	M3.D.1.1.1	Extending Shape Patterns
9-4	M3.D.1.1.2	Problem Solving: Look for a Pattern
Topic 10: Counting and Number Patterns to 100		
10-1		Making Numbers 11 to 20
10-2		Using Numbers 11 to 20
10-3		Counting by 10's to 100
10-4		Counting Patterns on a Hundred Chart
10-5		Using Skip Counting
10-6		Odd and Even Numbers
10-7		Ordinals through Twentieth
10-8		Patterns in Tables
10-9		Problem Solving: Look for a Pattern

MATH TEXT ALIGNMENT TO ASSESSMENT ANCHORS

Grade 1

Lesson	Assessment Anchor	Lesson Title
Topic 11: Tens to Ones		
11-1		Counting with Groups of 10 and Leftovers
11-2		Numbers Made with Tens
11-3		Tens and Ones
11-4		Expanded Form
11-5		Ways to Make Numbers
11-6		Problem Solving: Make an Organized List
Topic 12: Comparing and Ordering Numbers to 100		
12-1		1 More, 1 Less; 10 More, 10 Less
12-2		Making Numbers on a Hundred Chart
12-3		Comparing Numbers with $<$, $>$, $=$
12-4		Ordering Numbers with a Hundred Chart
12-5		Number Line Estimation
12-6		Before, After, and Between
12-7		Ordering Three Numbers
12-8		Problem Solving: Make an Organized List
Topic 13: Counting Money		
13-1		Values of Penny and Nickel
13-2		Values of Penny Nickel, and Dime
13-3		Value of a Quarter
13-4		Value of Half Dollar and Dollar
13-5		Counting Sets of Coins
13-6		Problem Solving: Try, Check and Revise
Topic 14: Measurement		
14-1		Comparing and Ordering by Length
14-2		Using Units to Estimate and Measure Length
14-3		Problem Solving: Use Reasoning
14-4		Feet and Inches
14-5		Centimeters
14-6		Understanding Perimeter
14-7		Comparing and Ordering by Capacity
14-8		Cups, Pints, and Quarters
14-9		Liters
14-10		Comparing and Ordering by Weight
14-11		Pounds
14-12		Grams and Kilograms
14-13		Comparing and Ordering by Temperature
Topic 15: Time		
15-1		Using the Hour and Minute Hands
15-2		Telling and Writing Time to the Hour
15-3		Telling and Writing Time to the Half Hour
15-4		Estimating and Ordering Lengths of Time
15-5		Using the Calendar
15-6		Problem Solving: Use Data for a Table

MATH TEXT ALIGNMENT TO ASSESSMENT ANCHORS

Grade 1

Lesson	Assessment Anchor	Lesson Title
Topic 16: Addition Facts to 18		
16-1		Understanding Perimeter
16-2		Perimeter of Common Shapes
16-3		Different Shapes with the Same Perimeter
16-4		Problem Solving: Try, Check, and Revise
16-5		Understanding Area
16-6		Estimating and Measuring Area
16-7		Volume
16-8		Problem Solving: Solve a Simpler Problem
Topic 17: Subtraction Facts to 18		
17-1		Time to the Half Hour and Quarter Hour
17-2		Time to the Minute
17-3		Units of Time
17-4		Elapsed Time
17-5		Temperature
17-6		Problem Solving: Work Backward
Topic 18: Data and Graphs		
18-1		Using Mental Math to Multiply
18-2		Estimating Products
18-3		Multiplication and Arrays
18-4		Breaking Apart to Multiply
18-5		Using an Expanded Algorithm
18-6		Multiplying 2 and 3-Digit Numbers
18-7		Problem Solving: Draw a Picture and Write a Number Sentence
Topic 19: Fractional Parts		
19-1		Mental Math
19-2		Estimating Quotients
19-3		Connecting Models and Symbols
19-4		Dividing 2-Digit Numbers
19-5		Dividing with Remainders
19-6		Problem Solving: Multiple Step Problems
Topic 20: Adding and Subtracting Tens and Ones		
20-1		Organizing Data
20-2		Reading Pictographs and Bar Graphs
20-3		Making Pictographs
20-4		Making Bar Graphs
20-5		Ordered Pairs and Line Graphs
20-6		How Likely?
20-7		Outcomes and Experiments
20-8		Line Plots and Probability
20-9		Problem Solving: Use Tables and Graphs to Draw Conclusions

Mathematics Assessment Anchor Glossary Grades 3 & 4

The definitions for this glossary were taken from one or more of the following sources: Webster's Dictionary, various mathematics dictionaries, the PA Mathematics Standards glossary and various textbook glossaries.

Acute angle: An angle with a measure less than 90° .

Addend: Any number that is being added.

Analog time: Time displayed on a timepiece having hour and minute hands.

Area: The measure, in square units, of the inside of a plane figure.

Array: A rectangular arrangement of objects in equal rows or columns.

Combination: A group of items. Placing these items in a different order does not create a new combination.

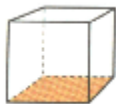
Cone: A solid figure that has a circular base and one vertex.



Congruent: Having the same size and shape.

- Congruent angles have the same measure.
- Congruent segments have the same length.

Cube: A rectangular solid having six congruent square faces.



Cylinder: A three-dimensional figure with two circular bases, which are parallel and congruent.



Edge: The line segment where two faces of a solid figure meet.

Equation: A statement that two mathematical expressions are equal.

Equivalent: Having the same value.

Expression: A variable, or any combination of numbers, variables, and symbols that represents a mathematical relationship (e.g., $24 \times 2 + 5$ or $4a - 9$).

Face: A plane figure that serves as one side of a solid figure.

Fact family: A set of related addition and subtraction, or multiplication and division equations using the same numbers (e.g., $6+9=15$, $15-9=6$, $9+6=15$, $15-6=9$).

Factor: A whole number that divides evenly into another whole number (e.g., 1, 3, 5, and 15 are factors of 15).

Function: A relation in which every input value has a unique output value.

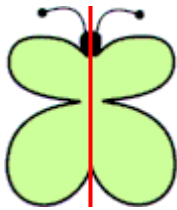
Hexagon: A polygon with 6 sides.

Inequality: A mathematical sentence that contains a symbol that shows the terms on either side of the symbol are unequal (e.g., $3+4>6$).

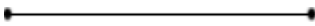
Line: A straight path extending in both directions with no endpoints.



Line of symmetry: A line that divides a figure into two halves that are mirror images of each other.



Line segment: A part of a line with two endpoints.



Mean (average): The number found by dividing the sum of a set of numbers by the number of addends.

Median: The middle number in an ordered set of data, or the average of the two middle numbers when the set has two middle numbers.

Mode: The number(s) that occurs most often in a set of data.

Multiples: The product of a given whole number and another whole number (e.g., multiples of 4 are 4, 8, 12, 16....).

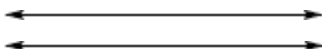
Number sentence: An equation or inequality with numbers.

Obtuse angle: An angle with a measure more than 90° .

Octagon: A polygon with 8 sides.

Ordered pair: A pair of numbers used to locate a point on a coordinate grid. The first number tells how far to move horizontally, and the second number tells how far to move vertically.

Parallel lines: Lines that never intersect and are always the same distance apart.



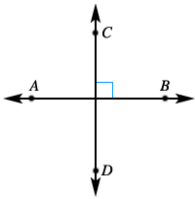
Parallelogram: A quadrilateral whose opposite sides are parallel and congruent.



Pentagon: A polygon with 5 sides.

Perimeter: The distance around a figure.

Perpendicular lines: Two lines, segments or rays that intersect to form right angles.



Pictograph: A graph that uses pictures to show and compare information.

Pyramid: A solid figure with a polygon base and triangular sides that meet at a single point (vertex).



rectangular pyramid



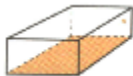
triangular pyramid

Quadrilateral: A polygon with 4 sides.

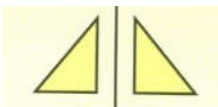
Ray: A part of a line that has one endpoint and continues without end in one direction.



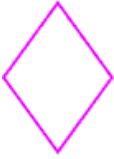
Rectangular prism: A solid figure in which all six faces are rectangles.



Reflection (flip): A transformation that produces the mirror image of a figure.



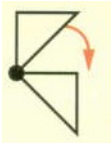
Rhombus: A parallelogram with four equal sides.



Right angle: An angle that measures exactly 90° .

Right triangle: A triangle that has a 90° angle.

Rotation (turn): A movement of a figure that turns that figure around a fixed point.



Sphere: A solid figure that has all points the same distance from the center.

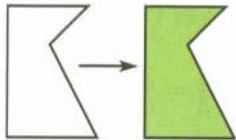


Tally chart: A table that uses tally marks to record data.

Favorite School Lunches

Hamburger		
Pizza		
Salad		
Hotdog		

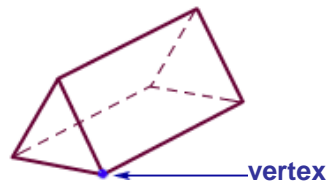
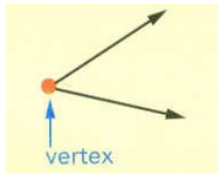
Translation (slide): A movement of a figure to a new position without turning or flipping it.



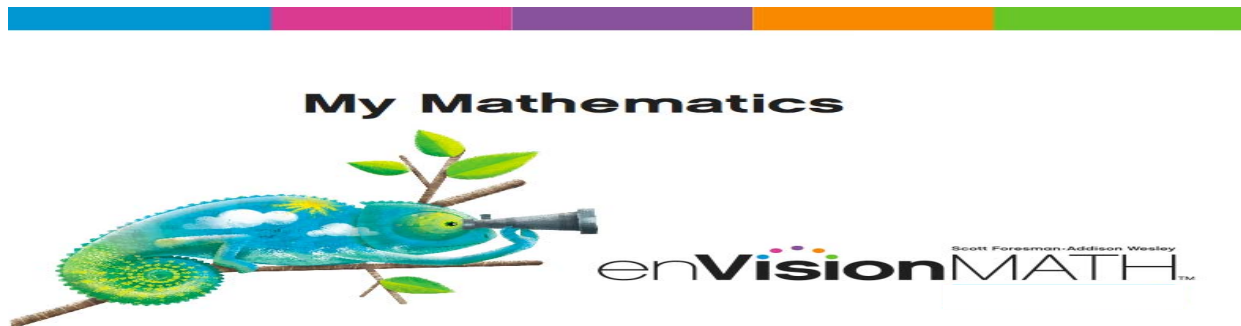
Trapezoid: A quadrilateral with exactly one pair of parallel sides.



Vertex: A point where lines, rays, sides of a polygon or edges of a polyhedron meet (corner).



Volume (capacity): The amount of space (in cubic units) that a solid figure can hold.



Mathematics and Children's Literature

enVision Math Start Literature Ties (by Topic)

includes Guided Problem Solving masters with each book

- A Fair Bear Share – after Lesson 5-5
- Leaping Lizards – after Lesson 10-5
- 100 Days of Cool – after Lesson 11-5
- Spunky Monkeys on Parade – after Lesson 12-7
- Super Sand Castle Saturday – after Lesson 14-3, 20

Websites that have book lists of children's literature in mathematics:

<http://www.math.youngzones.org/literature.html>

Children's Literature in Mathematics

<http://www.luc.edu/schools/education/csimath/zbib.htm>

A selected bibliography of available books to teach and reinforce math concepts

<http://mathforum.org/t2t/faq/brandenburg.new.html>

Guy Brandenburg compiled a list of over 140 math and science-related books, mostly recent, for his geometry students to choose from, read, and do a report on, using recommendations from others and his own reading as well. This page includes the assignment he gave to his students and also the list, organized by topic, with links to Amazon.com.

<http://www.cde.ca.gov/ci/scimathlit/>

Literature for Science and Mathematics: Kindergarten through Grade Twelve is a collection of outstanding science- and mathematics-related literature for children and adolescents. The recommended titles reflect the quality and the complexity of the types of materials students should be reading at school and outside of class.

Mathematical Poetry

- “Finding Time” - JoAnne Growney
- “Asparagus X Plus Y [An Arithmetic and Poetic Error]” - Ken Stange
- “Pi” - Robert Morgan
- “The Icosasphere” - Marianne Moore
- “Plane Geometry” - Emma Rounds
- “Geometry Class” - JoAnne Growney
- “The Starfish” - Robert P. Tristram
- “Coffin Arithmetic” - Carl Sandburg
- “Tulips” - Padraic Colum
- “E = MC²” - Morris Bishop
- “Euclid Alone Has Looked on Beauty Bare” - Edna St. Vincent Millay
- “Landscape VI from Six Significant Landscapes” - Wallace Stevens
- “My Dance is Mathematics” - JoAnne Growney
- “Euclid” - Vachel Lindsay
- “Geometry” - Rita Dove Pi - Wislawa Szymborska

Children's Literature

Numbers to 12

- A Pair of Socks by Stuart J. Murphy
- Fun with Patterns by Peter Patilla
- Anno's Counting Book by Mitsumasa Anno
- One Duck Stuck by Phyllis Root
- More, Fewer, Less by Tana Hoban
- Numbers by Henry Pluckrose
- Counting on the Woods by George Ella Lyon

Mathematics and Children's Literature

Numbers to 12 (con't)

Somewhere in the Ocean by Jennifer Marsh

If You Give a Mouse a Cookie by Laura Jaffe Numeroff

Counting

The Icky Bug Counting Book by Jerry Pallota

Counting Crocodiles by Judy Sierra and Will Hillenbrand

Curious George Learns to Count from 1 to 100 by H.A. Rey

Counting Colors: Seek & Find by Roger Priddy

Pizza Counting by Christina Dobsen and Matthew Holmes

Underwater Counting: Even Numbers by Jerry Pallotta

Counting in the Garden by Kim Parker

We All Went on a Safari by Laurie Krebs

Counting on Frank by Rod Clement

Chicka Chicka 1, 2,3 by Bill Martin Jr.

Odd and Even

Missing Mittens by Stuart J. Murphy

Addition and Subtraction

Adding Animals by Colin Hawkins

Adding Ajax by Shelley Powers

Adding and Subtracting at the Lake by Amy Rauen

One More Bunny by Rick Walton

Twenty Is Too Many by Kate Duke

One Moose, Twenty Mice by Clare Beaton

Look Who's Counting by Suse MacDonald

Bugs, Bugs, Bugs- DK Reader

Animals on Board by Stuart J. Murphy

Freight Train by Donald Crewes

Double the Ducks by Stuart J. Murphy

Subtraction

Subtraction Action by Loreen Leedy

Little Number Stories by Rozanne Lanczak

Toy Box Subtraction by Jill Fuller

Ten Terrible Dinosaurs by Paul Strickland

Turtle Splash by Cathryn Falwell

Subtraction Action by Loreen Leedy

Ten Rosy Roses by Eve Merriam

Monster Musical Chairs by Stuart J. Murphy

Mmmm... Cookies! : Simple Subtraction by Nicki Weiss

Tally

Sort, Graph, & Tally by Amy Pecastro

Tally Charts (Making Graphs) by Bodach

Tally O'Mally by Stuart J. Murphy

Estimating

Betcha! Stuart J. Murphy

Calendar

12 Hats for Nina: A Book of Months by Karen Katz

Month by Month: A Year Goes Round by Carol Shield

Pepper's Journal- A Kitten's First Year by Stuart J.

Ordering Numbers

One, Two, Three, Sassafras by Stuart J. Murphy

Mathematics and Children's Literature

Geometry

Shapes by Lara Tankel Holtz
Shape Space by Cathryn Falwell
Color Zoo by Lois Ehlert
Let's Fly a Kite by Stuart J. Murphy (Symmetry)
Autumn Leaves by Ken Robbins (Symmetry)
The Wing on a Flea by Ed Emberley
The Shape of Things by Dayle Ann Dodds
Captain Invincible and the Space Shapes by Stuart J. Murphy
Big Better Best by Stuart J. Murphy
Mouse Shapes by Ellen Stoll Walsh
Shapes (Slide "n" Seek) by Chuck Murphy
Shapes, Shapes, Shapes by Tana Hoban
Icky Bug Shapes by Jerry Pallota
The Shape of Me and Other Stuff by Dr. Seuss
Brown Rabbit's Shape Book (Little Rabbit Books) by Alan Baker
Three Pigs, One Wolf, Seven Magic Shapes by Grace MacCarone
Greedy Triangle by Marilyn Burns
So Many Circles, So Many Squares by Tana Hoban
Cubes, Cones, Cylinders & Spheres by Tana Hoban

Probability

Probably Pistachio by Stuart J. Murphy

Fractions

Rabbit and Hare Divide an Apple by Hamel Ziefert
Eating Fractions by Bruce McMillan
Apple Fractions by Jerry Pallotta
Full House: An Invitation to Fractions by Dayle Ann Dodds
Give Me Half! by Stuart Murphy
Fraction Action by Loreen Leedy

Time

10 Minutes till Bedtime by Peggy Rathmann
Bunny Day by Rick Walton
Nine O'Clock Lullaby by Marilyn Singer
Pigs on the Go by Amy Axelrod
My Book of Easy Telling Time: Learning About Hours and Half-Hours by Shinobu Akaishi
Telling Time with Big Mama Cat by Dan Harper
Time by Henry Arthur Pluckrose
What's the Time, Mr. Wolf? by Annie Kubler
It's About Time! by Stuart J. Murphy

Counting to 100

Monster Math by Anne Miranda
A Fair Bear Share by Stuart J. Murphy
100 Days of School by Trudy Harris
100 Day Worries by Margery Cuyler
One Hundred Hungry Ants by Elinor J. Pinczes

Mathematics and Children's Literature

Place Value, Data and Graphs

Seven Blind Mice by Ed Young

Eleven Elephants Going Up by Bethany Roberts

Henry the Fourth by Staurt J. Murphy

Greater Than. Less Than

Just Enough Carrots by Stuart J. Murphy

More or Less by Stuart J. Murphy

Alfie the Alligator by Sandy Turley

Money

Bunny Money by Rosemary Wells

Deena's Lucky Penny by Barbara de Rubertis

Alexander, Who Used to be Rich Last Sunday by Judith Viorst

Lily's Purple Plastic Purse by Kevin Henkes

The Penny Pot by Stuart J. Murphy

The Coin Counting Book by Rozanne Lanczak Williams

One Cent, Two Cents, Old Cent, New Cent: All About Money by Bonnie Worth

Inchworm and a Half by Elinor J. Prinzes

Measurement (Beginning Skills) by Amy Decastro

Jim and the Beanstalk by Raymond Briggs

Size (Math Counts) by Henry Arthur Pluckrose

Addition and Subtraction Facts to 18

Two of Everything by Lily T. Hong

Mission: Addition by Loreen Leedy

Two Digit Addition and Subtraction

Shark Swimathon by Stuart J. Murphy

17 Kings and 42 Elephants by Margaret Mahy

Measurement

Me and the Measure of Things by Joan Sweeney

Measuring Penny by Loreen Leedy

Chickens on the Move –Math Matters by Pamela Pollack

How Big is a Foot? by Rolf Myller

Inch by Inch by Leo Lionni

Measuring Maddie by Stuart J. Murphy

Chicken Soup with Rice by Maurice Sendak

The Giant Jam Sandwich by John Vernon Lord

How Long Is It? by Donna Loughran

Is a Paw a Foot? All About Measurement by Kris Hirschmann

How Big is Big? by Stephen Strauss

What's Up with That Cup? by Sheila Keenan

Super Sand Castle Saturday by Stuart J. Murphy

Probability

Probably Pistachio by Stuart J. Murphy

Careers Related to Mathematics

- *Banker
- *Engineer
- *Math Professor
- *Map Maker
- *Astronaut
- *Architect
- *Accountants
- *Cashier
- *Waitress
- *Pharmacist
- *Weather reporting
- *Video game designer
- *Environmental forecasting
- *Police information systems
- *Salary and benefit analyst
- *Bank loan officer
- *Stock and bond analyst
- *Investment analysis
- *Portfolio management
- *Cash flow analysis
- *Cost accounting
- *Industrial cost control
- *Business consulting
- *Time study and methods
- *Casualty insurance
- *Life insurance agent
- *Group insurance agent
- *Demographic analysis
- *Production planning
- *Consumer behavior analysis
- *Economic analysis
- *Taxation systems
- *Tax consultant
- *Modeling genetic systems

- *Modeling biological systems
- *Air traffic control modeling
- *Modeling economic systems
- *Transportation modeling
- *Medical information systems
- *Inventory control
- *Production control
- *Factory scheduling
- *Traffic control
- *Weapons analysis
- *Contract negotiations
- *Management consulting
- *Corporate planning
- *Administration
- *Customer service
- *Marketing services
- *Safety coordinator
- *Statistical support
- *Forecasting
- *Human resources allocation
- *Teacher
- *Computer aided design
- *Telecommunications
- *Communications systems
- *Computer network design
- *Computer system performance
- *Computer privacy techniques
- *Customer software support
- *Data processing
- *Research data analysis
- *Programmed instruction
- *Programmer analyst
- *Storage and retrieval systems
- *Banking system

- *Library systems
- *Retail transactions systems
- *Energy allocation management development
- *Labor resource and allocation
- *Employee relations management
- *Fault sensing systems
- *Population dynamics
- *Experimental design
- *Agriculture efficiency studies
- *Test analysis
- *Interpret social data
- *Trade analysis
- *Product performance analysis
- *Conversational computer systems
- *Exploration management
- *Man-environment analysis
- *Urban planning coordinator
- *Psychological categorizations
- *Psychological scaling
- *Student information systems
- *Management information systems
- *Law-case storage and retrieval
- *Inertial navigation systems
- *Computerized cartography
- *Industrial process control
- *Engineering studies
- *Pollution studies
- *Critical path analysis
- *Computer animation
- *Chartered accountancy
- *Statistical research
- *Statistical analysis
- *Survey design and analysis
- *Public opinion sampling