

Great Books to Teach Math Concepts!

Counting Books

Ten Black Dots by Donald Crews
A Three Hat Day by Laura Geringer
The Button Box by Margarette S. Reid
Each Orange Had 8 Slices by Paul Giganti, Jr.
Seven Blind Mice by Ed Young
Anno's Counting Book by Misumasa Anno
How Many Feet How Many Tails by Marilyn Burns
Count On by Pablo Barbara deRubertis
Even Steven and Odd Todd by Kathryn Cristaldi
How Many Snails by Paul Giganti
Earth Day Hooray! by Steve Murphy



Addition and Subtraction

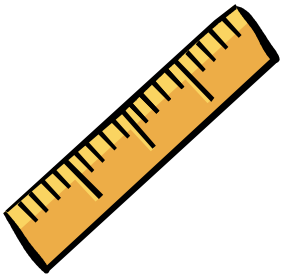
12 Ways to Get to Eleven by Eve Merriam
Counting Wildflowers by Bruce McMillan
Mouse Count by Ellen Stoll Walsh
Splash by Ann Jonas
Harriet's Halloween Candy by Nancy Carlson
Shark Swimathon by Stuart Murphy
Math Fables: Lessons That Count by Greg Tang
Subtraction Action by Loreen Leedy
Domino Addition by Lynette Long
M & M's Addition Book by Barbara McGrath

Measurement

How Big Is A Foot? By Rolf Myller
Is A Blue Whale the Biggest Thing There Is? By Robert E. Wells
Jim and the Beanstalk by Raymond Briggs
Inch by Inch by Leo Lionni
Inchworm and A Half by Elinor J. Pinczes
Spaghetti and Meatballs for All! By Marilyn Burns
Much Bigger Than Martin by Stephen Kellogg
The King's Chessboard by David Birch
Millions to Measure by David Schwartz
Polly's Pen Pal by Stuart Murphy
Hershey's Weights and Measures by Jerry Pallotta

Money

Alexander, Who Used to Be Rich Last Sunday by Judith Viorst
Bunny Money by Rosemary Wells
A Chair for My Mother by Vera B. Williams
Pigs Will Be Pigs by Amy Axelrod
The Money Tree by Sarah Stewart
Round and Round the Money Goes by Melvin Berger
Benny's Pennies by Pat Brisson





If You made a Million by David Schwartz
The Penny Pot by Stuart Murphy
Monday Madness by David Adler
Measuring Penny by Loreen Leedy
Less Than Zero by Stuart Murphy
Author's Funny Money by Lillian Hoban
5 Dollars by Mary Hill
Spending and Saving by Mary Hill
Pennies by Mary Hill
Quarters by Mary Hill
Dimes by Mary Hill
If You Made a Million by David Schwartz
Nickels by Mary Hill

Multiplication and Division

Amanda Bean's Amazing Dream by Cindy Neuschwander
Anno's Mysterious Multiplying Jar by Masaichiro and Mitsumasa Ann
One Hundred Hungry Ants by Elinor J. Pinczes
Two Ways to Count to Ten by Ruby Dee
Bunches and Bunches of Bunnies by Louise Mathews
The Doorbell Rang by Pat Hutchins
A Remainder of One by Elinor J. Pinczes
17 Kings and 42 Elephants by Margaret Mahy
Two of Everything by Lily Toy Hong
Counting on Frank by Rod Clement
A Fair Bear Share by Stuart Murphy
The Great Divide by Stuart Murphy
Divide and Ride by Stuart Murphy
Too Many Kangaroo Things to Do by Stuart Murphy



Geometry

Grandfather Tang's Story by Ann Tompert
Shapes, Shapes, Shapes by Tana Hoban
The Tangram Magician by Lisa Campbell Ernst and Lee Ernst
Sam Johnson and the Blue Ribbon Quilt by Lisa Campbell Ernst
The Greedy Triangle by Marilyn Burns
Sir Cumference and the Sword in the Cone by Cindy Neuschwander
A Cloak for the Dreamer by Aileen Freedman
Pigs in the Corner: Fun with Math and Dance by Amy Axelrod
The Fly on the Ceiling: A Math Myth by Dr. Julie Glass
Shape Up by David Adler
The Village of Round and Square Houses by Ann Grifalconi
Hamster Champs by Stuart Murphy
The Greedy Triangle by Marilyn Burns

Fractions

The Half-Birthday Party by Charlotte Pomerantz
Fraction Action by Loreen Leedy
Piece = Part = Portion by Scott Gifford
Gator Pie by Louis Matthews



The Doorbell Rang by Pat Hutchins
Pete's A Pizza by William Steig
How Pizza Came to Queens by Dayal Kaur Khalsa
Pizza Pat by Will Terry
Rabbit and Hare Divide an Apple by Harriet Ziefert
Jump, Kangaroo, Jump by Stuart Murphy

Time

The Napping House by Audrey Wood
The Very Hungry Caterpillar by Eric Carle
The Grouchy Ladybug by Eric Carle
Clocks and More Clocks by Pat Hutchins
Pigs on the Move: Fun with Math and Travel by Amy Axelrod
On the Day You Were Born by Debra Frasier
Get Up and Go by Stuart Murphy
Clocks and More Clocks by Pat Hutchins
It's About Time by Jane Campbell



Concept of Size

How Much Is A Million? by David M. Schwartz
On Beyond a Million by David M. Schwartz
A Million Fish...More or Less by Patricia C. McKissack
Counting On Frank by Rod Clement
Count to a Million by Jerry Pallotta
Actual Size by Steve Jenkins
Room for Ripley by Stuart Murphy
How Big Were the Dinosaurs? by Bernard Most

Problem Solving

The Eleventh Hour by Graeme Base
The Grapes of Math by Greg Tang
Math Appeal by Greg Tang
Math for All Seasons by Greg Tang
Math-terpieces: The Art of Problem-Solving by Greg Tang
Math Potatoes by Greg Tang



Comparison

More or Less by Stuart Murphy
Just Enough Carrots by Stuart Murphy

Estimation

How Many seeds in a Pumpkin by Margaret McNamara
Betcha! by Stuart Murphy

Statistics

Probably Penny by Loreen Leedy
The Best Vacation Ever by Stuart Murphy

Graphs

Lemonade for Sale by Stuart Murphy

Treasure Map by Stuart Murphy

Rodeo Time by Stuart Murphy

Algebra

Ready, Set, Hop by Stuart Murphy

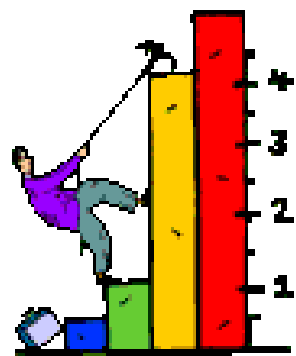
Safari Park by Stuart Murphy

Dinosaur Deals by Stuart Murphy

General Interest

Math Curse by Jon Scieszka and Lane Smith

Marvelous Math by Lee Hopkins



Resources

Books:

- Andrews & Liesen. (2006). *Reasoning With the Rekenrek*. Netherlands: Jergo.
- Blanke. (2008). *Using the Rekenrek as a Visual Model for Strategic Reasoning in Mathematics*. Salem, OR: The Math Learning Center.
- Carpenter, Fenema, Franke, Levi, & Empson. (1999). *Children's Mathematics: Cognitively Guided Instruction*. Portsmouth, NH: Heinemann.
- Fosnot & Dolk. (2001). *Young Mathematicians at Work: Constructing Number Sense, Addition, and Subtraction*. Portsmouth, NH: Heinemann.
- Fosnot & Dolk. (2001). *Young Mathematicians at Work: Constructing Multiplication and Division*. Portsmouth, NH: Heinemann.
- Fosnot & Uittenbogaard. (2007). *Minilessons for Extending Addition and Subtraction*. Orlando, FL: Harcourt School Publishers.
- Fosnot. (2007). *Minilessons for Early Addition and Subtraction*. Portsmouth, NH: Heinemann.
- Fosnot. (2007). *Games for Early Number Sense*. Portsmouth, NH: Heinemann.
- Fosnot, C. T., Chang, M., Dolk, M. L. A. M., & Liu, N. (2008). *Contexts for learning mathematics: Teacher pack, grades K-1*. Portsmouth, NH: firsthand/Heinemann.
- Frykholm. (2008). *Learning to Think Mathematically with the Rekenrek*. Boulder, CO: Cloudbreak Publishing, Inc.
- Hersch, Cameron, Dolk, & Fosnot. (2005). *Fostering Children's Mathematical Thinking: Grades 3-5 Resource Package*. Portsmouth, NH: Heinemann.
- Kamii. (2000). *Young Children Reinvent Arithmetic*. New York, NY: Teachers College Press.
- Philipp & Cabral. (2005) *Integrating Mathematics and Pedagogy to Illustrate Children's Reasoning*. Upper Saddle River, NJ: Pearson Education, Inc.
- Richardson, K. (1991). *Developing Number Concepts Book 1: Counting, Comparing, and Pattern*. New York: Dale Seymour Publications.
- Sowder, Sowder, & Nickerson. (2010). *Reconceptualizing Mathematics for Elementary School Teachers*. New York: W.H. Freeman & Co.

- Uittenbogaard & Fosnot. (2007). *Minilessons for Early Multiplication and Division*. Orlando, FL: Harcourt School Publishers.
- Wright, R.J., Stranger, G., Stafford, A.K., & Martland, J. (2006). *Teaching Number in the Classroom with 4-8 year-olds*. London: Paul Chapman.

Websites:

- <http://www.classroomprofessor.com>
- www.mathlearningcenter.org
- www.rekenweb.nl
- <http://illuminations.nctm.org/>
- http://www.edplus.canterbury.ac.nz/literacy_numeracy/maths/numdocuments/dot_card_and_ten_frame_package2005.pdf
- <http://nzmaths.co.nz/numeracy-development-projects-books>
- www.mugginsmath.com