

## Bibliography of Middle School Mathematics Books Appropriate for Grades 4-8

**Note: Some of the books on fractions may seem too young for most fourth through eighth graders. I work with some students who have been unschooled due to difficult situations. These books are good for those students as they give an introduction to fractions. As always, check out books online before ordering them to see if they fit your particular needs.**

### Algebra

- Adler, D. A. (2012). *Mystery math: A first book of algebra*. New York, NY: Holiday House, Inc.
- Glass, J. (1998). *The Fly on the ceiling*. Random House Books for Young Readers
- Hathout, L. (2007). *Crimes and mathdemeanors*. Wellesley, MA: A K Peters, Ltd. (Chapter book that uses algebra, geometry, and physics to solve crimes)
- Lichtman, W. (2007). *Do the math: Secrets, lies, and algebra*. New York, NY: HarperCollins Publishers. (Chapter Book)
- Lichtman, W. (2008). *Do the math: The writing on the wall*. New York, NY: HarperCollins Publishers. (Chapter Book)
- McMillan, D. (2011). *Learning algebra with pizza*. Mankato, MN: Capstone Press.
- Skurzynski, G, & Ferguson, A. (2007). *Wolf stalker*. National Geographic Society. (Uses math and science to solve a mystery. Chapter Book)
- Yoder, E., & Yoder, N. (2010). *One Minute Mysteries: 65 Short Mysteries You \ Solve with Math!* Washington, DC: Science, Naturally! LCC.

### Data, Statistics, and Probability

- Einhorn, E. (2008). *A very improbable story: A math adventure*. Watertown, MA: Charlesbridge Pub Inc.
- Leedy, L. (2006). *The great graph contest*. Holiday House, Inc.
- Murphy, S. J. (1999). *Lemonade for sale (MathStart 3)*. Steck-Vaughn.
- Nagda, A. W. & Bickel, C. (2002). *Tiger math: Learning to graph from a baby tiger*. Square Fish.
- Neuschwander, C. (2013). *Sir Cumference and the off-the-Charts dessert*. Watertown, MA: Charlesbridge Pub Inc.
- Rand, Casey. (2010). *Graphing sports (real world data)*. Heinemann-Raintree.
- Wingard-Nelson, Rebecca. (2004). *Data, graphing, and Statistics*. Enslow Publishers, Incorporated.

### Fibonacci Series

- Campbell, S. C. (2010). *Growing Patterns*. Boyds Mill Press.
- D'Agnes, J. (2010). *Blockhead: The life of Fibonacci*. New York, NY: Henry Holt and Company, LLC.
- Enzensberger, H. M. (1997). *The number devil: A mathematical adventure*. New York, NY: Henry Holt and Company, LLC.
- Gravett, E. (2010). *The Rabbit Problem*. Simon & Schuster Books for Young Readers.

Hulme, J. (2005). *Wild Fibonacci: nature's secret code revealed*. Tricycle Press.  
McCallum, A. & Kendall, G. (2007). *Rabbits rabbits everywhere: A Fibonacci tale*.  
Watertown, MA: Charlesbridge Pub Inc.  
Scieszka, J. (1995). *Math Curse*. Viking Juvenile.

### **Fractions, Decimals, Ratios, Percentages, Scale Factor, & Proportions**

Adler, D. A. (1997). *Fraction fun*. Holiday House, Inc.  
Caron, L. & St. Jacques, P. M. (2000). *Fractions and decimals*. Enslow Publishers.  
Clements, R. (1994). *Counting on Frank*. Houghton Mifflin Harcourt  
Dobson, C. (2002). *Pizza counting*. Watertown, MA: Charlesbridge Publishing, Inc.  
Ellis, J. (2010). *Pythagoras and the ratios: A math adventure*. Charlesbridge Publishing, Inc.  
Fritz J. (2001). *Leonardo's horse*. New York: G.P. Putnam's Sons  
Headstrom, R. (1977). *Adventures with a microscope*. Mineola, NY: Dover Publications.  
Heide, F. P. (1992). *The shrinking of Treehorn*. Holiday House Publishing.  
Hulme, J. (2006). *Mary Clare likes to share*. Random House Books for Young Readers. (Introduction to Fractions. Good for unschooled students with little English mastery.)  
Lavine, S. (1997). *The ultimate guide to microscope book*. New York, NY: Sterling. (scale factor)  
Leedy, L. (1996). *Fraction action*. Holiday House, Inc.  
Levy, J. (2009). *The silk road: Using a map scale to measure distances*. Rosen Publishing Group. (scale factor)  
Murphy, S. J. (1997). *A fair bear share*. HarperCollins  
Murphy, S. J. (1996). *Give me half*. (MathStart 2). HarperCollins.  
Murphy, S. J. (1998). *Jump kangaroo, jump*. (MathStart 3). HarperCollins.  
Osborne, M. P. (2005). *Kate and the beanstalk*. New York: Simon & Schuster.  
Pallotta, J. (2003). *Apple Fractions*. Cartwheel Books.  
Pallotta, J. (1999). *He Hershey's Milk Chocolate Bar Fractions Book*. Cartwheel Books.  
Pilegard, V. (2003). *The warlord's puppeteers*. Pelican Publishing Company, Inc.  
Schwartz, D. M. (1999). *If you hopped like a frog*. Scholastic, Inc.  
Selsam, M. (1963). *Greg's microscope, a science I can read book*. New York, NY: HarperCollins Publishers, Inc. (scale factor)  
Silvestein, A., & Silvestein, V. (1969). *A world in a drop of water: Exploring with a microscope*. New York, NY: Atheneum. (scale factor)  
Stanford, J. B. (2003). *Go fractions!* Penguin Young Readers.  
Sundby, S. (2000). *Cut down to size at high noon*. Watertown, MA: Charlesbridge Publishing (scale factor)  
Wingard-Nelson, R. (2005). *Fractions and decimals made easy*. Enslow Elementary Publishers.

## **Geometry**

- Adler, D.A. (2012). *Perimeter, area, and volume: A monster book of dimensions*. New York, NY: Holiday House, Inc.
- Coerr, E. (1997). *Sadako and the thousand paper cranes*. Hampton Brown Publishers.
- Ellis, J. (2004). *What's your angle, Pythagoras?: A math adventure*. Watertown, MA: Charlesbridge Pub Inc.
- Murphy, S. J. (2001). *Captain invincible and the space shapes*. (MathStart 2). HarperCollins.
- Neuschwander, C. (2009). *Mummy math: An adventure in geometry*. Watertown, MA: Charlesbridge Pub Inc.
- Neuschwander, C. (1999). *Sir Curmference and the dragon of Pi*. Watertown, MA: Charlesbridge Pub Inc.
- Neuschwander, C. (1997). *Sir Curmference and the First Round Table*. Watertown, MA: Charlesbridge Pub Inc.
- Neuschwander, C. (2001). *Sir Curmference and the Great Knight of Angleland*. Watertown, MA: Charlesbridge Pub Inc.
- Neuschwander, Cindy. (2006). *Sir Curmference and the Isle of Immeter*. Watertown, MA: Charlesbridge Pub Inc.
- Neuschwander, C. (2003). *Sir Curmference and the Sword in the Cone*. Watertown, MA: Charlesbridge Pub Inc.
- Neuschwander, C. (2012). *Sir Curmference and the viking's map*. Watertown, MA: Charlesbridge Pub Inc.
- Tompert, A. (1990). *Grandfather Tang's story*. New York: Crown Publishers, Inc.

## **Measurement**

- Adler, D. A. (1999). *How tall, how short, how far away*. Holiday House, Inc.
- Jenkins, S. (2011). *Actual size*. Houghton Mifflin Harcourt.
- Laksky, K. (2005). *The librarian who measured the earth*. Boston, MA: Houghton Mifflin.
- Myller, R. (1991). *How big is a foot*. Yearling.
- Neuschwander, C. (2009). *Pastry school in Paris: An adventure in capacity*. Henry Holt and Co.
- Pinczes, E. J. (2003). *Inch Worm and a half*. HMH Books for Young Readers.
- Pluckrose, H. A. (1995). *Capacity*. Children's Press.
- Pluckrose, H. A. (1995). *Length (Math Counts)*. Children's Press.
- Pluckrose, H. A. (1995). *Weight*. Children's Press.
- Polacco, P. (1997). *Thunder cake*. Puffin Books.
- Sweeney Joan. (2002). *Me and the measure of things*. Random House Children's Books.
- Wells, R. E. (1997). *What's faster than a speeding cheetah?* New York: Albert Whitman & Company.

## **Miscellaneous**

- Ash, R. (1999). *Factastic book of 1001 lists*. New York: DK Publishing, Inc.

- Berger, M. & Berger, G. (2002). *Does it always rain in the rainforest?* Scholastic.
- Burns, M. (1975). *The I hate mathematics book*. Little, Brown Books for Young Readers.
- Pappas, T. (1993). *Fractals, googols, and other mathematical tales*. San Carlos, CA: Wide World Publishing/Tetra.
- Pappas, T. (1997). *Mathematical scandals*. San Carlos, CA: Wide World Publishing/Tetra
- Reimer, L. (1995). *Mathematicians are people, too: Stories from the lives of great mathematicians*, vol. 2. Palo Alto, CA: Dale Seymour Publications.
- Schwartz, D. M. (1998). *G is for googol: A math alphabet book*. Tricycle Press.
- Seymour, D. (1994). *Mathematicians are people, too: Stories from the lives of great mathematicians*. Palo Alto, CA: Dale Seymour Publications.
- Tahan, M. (1972). *The man who counted: A collection of mathematical adventures*. New York, NY: W.W. Norton & Company, Inc.

### **Money**

- Curtis, C. P. (2005). *Mr. Chickee's funny money*. NY, NY: Yearling/Random House Children's Books.

### **Numbers**

- Ball, J. (2005). *Go Figure: A totally cool book about numbers*. New York: DK Publishing, Inc.
- Broach, E. (2005). *Shakespeare's secret*. NY, NY: Henry Holt and Company.
- Enzensberger, H. M. (2000). *The number devil: A mathematical adventure*. Holt Paperbacks.
- Harshman, M. (1993). *Only one*. New York: Penguin Young Readers Group.
- Lee, C. (2007). *The great number rumble: A story of math in surprising places*. Ontario, Canada: Annick Press. (Chapter Book)
- Pappas, T. (1997). *The adventures of Penrose the mathematical cat*. San Carlos, CA: Wide World Publishing/Tetra.
- Pappas, T. (2004). *Further adventures of Penrose the mathematical cat*. San Carlos, CA: Wide World Publishing/Tetra.
- Pluckrose, H. A. (1995). *Counting*. Children's Press.
- Schwartz, D. M. (2006). *Millions to measure*. HarperCollins Publishers.
- Schwartz, D. M. (2004). *How much is a million?* HarperCollins Publishers.
- Schwartz, D. M. (1994). *If you made a million*. HarperCollins Publishers.
- Schwartz, David M. (2001). *On beyond a million*. Dragonfly Books.

### **Number Patterns**

- Birch, D. (1993). *The king's chess board*. Puffin Books
- Demi. (1997). *One grain of rice*. Scholastic Press.
- Kido, Y. (2007). *A dozen dozens*. Sterling Publishers.
- Masaichior, A. & Mitumasa, A. (1999). *Anno's mysterious multiplying jar*. Penguin Putnam Books for Young Readers.
- Sachar, L. (1994). *Sideways Arithmetic from Wayside School*. Scholastic Paperbooks.

## **Operations**

- Calvert, P. (2006). *Multiplying menace: The revenge of Rumpelstiltskin*. Watertown, MA: Charlesbridge Pub Inc.
- Calvert, P. (2011). *The multiplying menace divides*. Watertown, MA: Charlesbridge Pub Inc.
- Hutchins, P. (1989). *The doorbell rang*. Greenwillow Books.
- Neuschwander, C. (1998). *Amanda bean's amazing dream: A mathematical story*. New York, NY: Scholastic Press.
- Pinczes, E. J. (1999). One hundred hungry ants. HMH Books for Young Readers.
- Pinczes, E. J. (2002). A remainder of one. HMH Books for Young Readers.

## **Patterns**

- Johnston, T. & DePaola, T. (1985). The quilt story. Putnam Juvenile.
- Neuschwander, C. (2007). Patterns in Peru: An Adventure in Patterning. Henry Holt and Co.
- Polacco, P. (2001). The keeping quilt. Simon & Schuster/ Paula Wiseman Books

## **Poetry**

- Hopkins, L. B. (2001). *Marvelous math: A book of poems*. Aladdin Picture Books.
- Pappas, T. (1991). *Math talk: Mathematical ideas in poems for two voices*. San Carlos, CA: Wide World Publishing/Tetra.
- Prelutsky, J. (1994). A pizza the size of the sun. New York: Harper Collins Publishers
- Silverstein, S. (2006). *The missing piece*. Harper & Row.
- Tang, Greg. (2003). *Math Appeal*. Scholastic Press.
- Tang, Greg. (2003). *Mathterpieces*. Scholastic Press.
- Tang, Greg. (2004). *The grapes of math*. Scholastic Press.