

Children's Literature

OOP – Out of print (we still list some titles that are out of print as they may be available in your library, online, or at used book stores)

Ages listed refers to reading level of the book.

Number and Operations

Title	Author	Comment	Status
A Collection for Kate	deRubertis	Collections, addition, addition strategies – counting on, using doubles related facts	1999 Ages 4-8 2007 - Spanish
Arlene Alda's 1, 2, 3	Alda	Shapes of numerals	1998 - OOP Ages 3-5
Everyone Wears Braids	Suen	One to one correspondence	2000 Ages 3-5
Know your Number Series (6 different books) e.g. Bunches of Buttons: Counting by Tens	Dahl	Concept books for number	2005 Ages 4-8
More	Springman	Concept of more than	2012 Ages 4 and up
Ten Items or Less	Calmenson	Figuring if you have enough to use the express lane at the grocery store.	2010 Ages 4-8
How Will we Get to the Beach?	Luciani and Tharlet	Simple addition, part-whole relationship	2003 Ages 4-8
Quack and Count	Baker	Addition combinations	2004 Ages 4-8
Counting Crocodiles	Sierra	Addition, counting	2001 Ages 4-8
Ten Puppies	Reiser	Addition to 10	2003 Ages 4-8
Let's Count	Hoban	Addition to 12	1999 Ages 3-5
Fish Eyes: A Book you can Count on	Ehlert	Addition – one more than	2001 Ages 4-8
Bat Jamboree	Appelt	Addition, triangular numbers	1998 Ages 4-8
The Lemonade Standoff	Aboff	2-digit addition	2008 Ages 4-8
Adding it Up	Wells	Addition, subtraction and	2001

		counting to 20	Ages 4-8
Centipede's One Hundred Shoes	Ross	Addition, subtraction and 100	2003 Ages 4-8
Dinnertime!	Williams	Subtraction and addition	2002 – OOP Ages 3-5
Splash	Jonas	Addition and subtraction	1997 Ages 4-8
Math Fables: Lessons that Count	Tang	Grouping numbers	2004 Ages 4-8
More Fewer Less	Hoban	Comparing quantities	1998 Ages 3 +
One Potato: A Counting Book of Potato Prints	Pomeroy	Addition – mental strategies, counting 1-100	2000 Ages 3-5
12 Ways to get to 11	Merriam	Addition	1996 Ages 4-8
The Thirteen Days of Halloween	Greene	Addition and subtraction, position and magnitude of numbers	2000 – OOP Ages 3-5
How Many Feet in the Bed	Hamm	Addition – counting on, multiplication by two	1994 Ages 4-8
How Many, How Many, How Many	Walton	Addition – counting on	1996 Ages 4-8
Ten Flashing Fireflies	Sturges	Addition	1997 Ages 4-8
10 Little Hot Dogs	Himmelman	Addition and Subtraction	2010 Ages 4-8
Guinea Pigs Add Up	Cuyler	Addition and Subtraction	2010 Ages 4-8
Double Play: Monkeying Around with Addition	Franco	Addition of doubles	2011 Ages 4-8
Ten Red Apples	Miller	Addition	2004 Ages 4-8
Mrs. McTats and her Houseful of Cats	Capucilli	Addition	2001 Ages 4-8
How Many Snails?	Giganti	Addition	1994 Ages 4-8
Six Dinner Sid	Moore	Addition	1993 Ages 4-8
1 + 1 = 5 and other Unlikely Additions	LaRoche	Addition puzzles	2010 Ages 4-8
Make Way for Dyanonde Daniel	Grimes	Addition and subtraction situations	2009 Ages 7-9
Anno's Counting House	Anno	Addition/subtraction to 10	1982 - OOP Ages 4-6

17 Kinds and 42 Elephants	Mahy	Addition – 2 digit	1987
Math Appeal	Tang	Addition and Subtraction	2003 Ages 4-8
The Real Princess: A Mathemagical Tale	Williams	Addition and subtraction	2007 Ages 4-8
So Many Bunnies	Walton	Addition	1998 Ages 4-8
What's New at the Zoo? An Animal Adding Adventure	Slade	Addition situations	2009 Ages 4-8
My Goldfish	Barroux	Use two goldfish bowls to create addition problems	2009 Ages 3-7
Birds	Henkes	Subtraction as 7 birds fly away to 0	2009 Ages 4-8
Toothpaste Millionaire	Merrick	Addition, subtraction in business	2006 Ages 9-12
Monster Musical Chairs	Murphy	Subtraction	2000 Ages 4-8
Ten Seeds	Brown	Subtraction from 10	2001 Ages 3-5
How Many Blue Birds Flew Away?	Giganti	Subtraction from 18	2005 - OOP Ages 4-8
The Shark Swimathon	Murphy	Subtraction from 75	2001 Age 6-8
Hardworking Puppies	Reiser	Subtraction situations	2006 Ages 4-8
Turtle Splash? Countdown in the Pond	Falwell	Subtraction	2008 Ages 4-8
What's Hiding in There?	Drescher	Hiding situations for early subtraction	2008 Ages 4-8
Who's Hiding on the Farm?	Watt	Hiding situations for early subtraction	2010 Ages 3+
Hiding Hippos	Doering Tourville	Hiding situations for early subtraction	2008 Ages 4-8
Ten Little Ladybirds [Gerth	Subtraction	2008 Ages 4-8]
Subtracting With Sebastian Pig and Friends: On a Camping Trip	Anderson	Subtraction	2009 Ages 4-8
Hide and Sheep	Beatty	Subtraction	2011 Ages 4-8
Twenty is too Many	Duke	Subtraction	2000

			Ages 4-8
The Shopping Basket	Burningham	Subtraction	1997 Ages 4 - 8
One Less Fish	Toft	Subtraction	1998 Ages 4-8
Panda Math: Learning About Subtraction from Hua Mei and Mei Sheng	Nagda	Subtraction	2009 Ages 4-8
Ten Sly Piranhas	Wise	Subtraction	2004 Ages 4-8
Alfie Gets in First	Hughes.	Addition and subtraction	2008 Ages 4-8
The Great Math Tattle Battle	Bowen	Solving addition and other problems	2006 Ages 4-8
365 Penguins	Fromental	Small to large quantities of penguins organized in different groups	2006 Ages 4-8 (available in Spanish)
Bunny Days	Nyeu	Addition and subtraction situations	2010 Ages 4-8
Sixteen Cows	Wheeler	Addition and subtraction	2006 Ages 4-8
Mike's Mystery	Aboff	Subtraction from 75	2008 Ages 4-8
Martin's Hats	Blos	Subtraction – 2 digit	1987 Ages 6-10
Too Many Frogs!	Hassett	Counting by tens	2011 Ages 4-8
Wolf's Chicken Stew	Kasza	100	1996 Ages 4-8
One Hundred is a Family	Ryan	100 in a look at families	1996 Ages 4-8
100 Ways to Celebrate 100 Days	Goldstone	100 Days	2010 Ages 4-8
The Hundred Penny Rub	Henry	100 th day of school	2009 Ages 9-12
100 Days of Cool	Murphy	100 days of school	2003 Ages 4-8
100 th Day Worries	Cuyler	100 – collections and 100 th day of school	2005 Ages 4-8
Miss Bindergarten Celebrates the 100 th Day of Kindergarten	Slate	100 th day of school	2002 Ages 4-8

The Very Kind Rich Lady and her One Hundred Dogs	Lee	100 in a look at dogs	2003 – OOP Ages 3-5
Zero, Zilch, Nada : Counting to None	Ulmer	Counting up and down from 100 by tens, fives, twos and ones	2010 Ages 4-8
Centipede's 100 Shoes	Ross	100	2003 Ages 4-8
Emily's First 100 Days in School	Wells	100	2005 Ages 4-8
Counting our Way to the 100 th Day	Franco	100 poems to count down to the 100 th day of school	2004 Ages 4-8
!00 Days of School	Harris	Many ways to count to 100	2000 Ages 4-8
The Night Before the 100 th Day of School	Wing	Collection of 100	2005 Ages 4-8
The Breakfast Cereal Gourmet	Hoffman	Information for calculations and comparisons	2005 Ages 8-12
The History of Everyday life	Landau	Information for calculations and comparisons	2006 Ages 8-12
The Pop Corn Book	De Paola	Information for calculations and comparisons	1978 Ages 6-10
Alice Ramsey's Grand Adventure	Brown	Information for calculations and comparisons	1997 Ages 9-12
Wilma Unlimited	Krull	Information for calculations and comparisons	1996 Ages 6-10
Tyrannosaurus Math	Markel	Situations for all operations	2009 Ages 4-8
Teeth, Tails and Tentacles: An Animal Counting Book	Wormell	Number Concepts – calculations	2005 Ages 4-8
What's a Pair? What's a Dozen	Swinburne	Number Concepts – groups	2000 Ages 5-8
More than One	Hoban	One as a group	1981 – OOP Ages 4-8
More than One	Schlein	One as a group	1996 Ages 6-8
Zero is the Leaves	Franco	Zero	2009

on a Tree			Ages 4-8
Zero Kisses for Me	Monari	Zero	2010 Ages 4 and up
Zero	Otoshi	Zero in place value	2010 Ages 4-8
Zero Zero Everywhere	Vanderbilt and Vanderbilt	Importance of zero	2008 Ages 4-8
Zero the Hero	Holub	Zero in addition, multiplication and addition	2012 Ages 6-10
A Place for Zero	Sparagna LoPresti	Place value, addition, multiplication, infinity	2003 Ages 4-8
Only One	Harshman	Place value – seeing large numbers as one of something	1993 Ages 4-8
The King’s Commissioners	Friedman	Place value	1995 Ages 4-8
Moira’s Birthday	Munsch	Collection of 200 in different ways	1987 – OOP Ages 5-8
A Light in the Attic (How Many How Much)	Silverstein	Computational estimation	1981 Ages 6-10
Can you Count to a Googol?	Wells	Place value	2000 Ages 9-12
Sadako and the Thousand Paper Cranes	Coerr	1000	2004 Ages 9-12
The Blast Off Kid	Driscoll	Place value to 10,000	2003 Ages 4-12
Big Numbers: and Pictures that show just how Big they are!	Packard	Place value to 10,000	2000 – OOP Ages 4-8
600 Black spots	Carter	Large numbers (pop up book)	2007 Ages 4-8
On Beyond a Million	Schwartz	Thinking about one million, exponents	2001 Ages 4-8
How Much is a Million	Schwartz	Million, billion, trillion	2004 Ages 4-8
One Million	Hertzberg	Million and other large numbers	1993 – OOP
Lifetimes	Rice	Large numbers - plants and animals in order of longevity	1997 Ages 4-8
A Million Dots	Clements	Million	2006

			Ages 9-12
123 Pop!	Isadora	Counting to a million	2000 Ages 4 and up
How Big is a Million?	Milbourne	Thousands and millions	2008 Ages 4-8
A Million Fish ... More or Less	McKissack	Large numbers	1996 Ages 4-8
Cookies	Jaspersohn	Large numbers, estimates calculations	1993 – OOP Ages 9-12
Penguin Pairs: Counting by 2s	Doering Tourville	Counting by twos	2008 Ages 4-8
Each Orange Had 8 Slices: A Counting Book	Giganti	Multiplication – set model, counting on	1999 Ages 4-8
512 Ants on Sullivan Street	Losi	Doubling	2006 Ages 4-8
Double those Wheels	Raines Day	Doubling/ multiplication	2003 Ages 4-8
Two is for Twins	Lewison	Things that come in twos - doubling	2011 Ages 4-8
The Best of Times: Math Strategies that Multiply	Tang	Multiplication strategies for basic facts	2002 Ages 4-8
Twelve Days of Summer	Andrews	Multiplication	2005 Ages 4-8
Barry: The Fish with Fingers	Hendra	Multiplication by five (has five fingers on each fin)	2010 Ages 4-8
Breakfast at Danny's Diner	Stamper	Multiplication	2003 Ages 4-8
Math Attack!	Horton	Multiplication	2009 Ages 4-8
Amanda Bean's Amazing Dream	Neuschwander	Multiplication	1998 Ages 4-8
The Father Who had Ten Children	Guettier	Multiplication and division by 10	2001 – OOP Ages 3-5
Grandpa's Quilt	Franco	Multiplication with arrays, factors of 36	2000 Ages 4-8
Ten Times Better	Michelson	Multiplication by 10	2000 Ages 4-8
Bats on Parade	Appelt	Multiplication – arrays, square numbers	1999 – OOP Ages 4-8
Leaping Lizards	Murphy	Skip counting by 5 and 10 - multiplication	2005 Ages 4-8
Two of Everything:	Hong	Doubling, multiplication	1993

A Chinese Folktale			Ages 4-8
Multiplying Menace: The Revenge of Rumpelstiltskin	Calvert	Multiplication	2006 Ages 4-8
Corkscrew Counts: A Story about Multiplication	Napoli and Tchen	Multiplication	2008 Ages 4-8
A Shaker's Dozen	Thorne-Thomsen and Rocheleau	Multiplication	1999 – OOP Ages 4-8
How Many Feet? How Many Tails?	Burns	Multiplication	1996 – OOP Ages 4-8
365 Penguins	Fromental	Multiplication	2006 Ages 4-8
Minnie's Dinner: A Multiplying Menu	Manders	Multiplication	2007 Ages 4-8
One is a Snail, Ten is a Crab	Sayre and Sayre	Multiplication by 10	2006 Ages 4-8
Counting by Kangaroos	Hulme	Multiplication	1995 Ages 4-8
I Can count the Petals of a Flower	Dahl and Dahl	Multiplication, prime and composite numbers, factors and multiples, patterns	1985 – OOP Ages 4-8
Two Was to Count to Ten: A Liberian Folktale	Dee	Skip counting, multiplication	1990 Ages 4-8
What comes in 2's, 3's and 4's?	Aker	Skip Counting, multiplication	1993 –OOP Ages 4-8
One Grain of Rice	Demi	Geometric progression, powers of two, multiplication	1997 Ages 8-12
The King's Chessboard	Birch	Geometric progression, powers of two, multiplication	1993 Ages 8-12
Anno's Mysterious Multiplying Jar	Anno and Anno	Multiplication, factorials	1999 Ages 8-12
Ordinary Mary's Extraordinary Deed	Pearson	Multiplication, Exponential functions	2002 Ages 4-8
Sea Squares	Hulme	Square numbers, multiplication	1999 Ages 4-8
Bunches and Bunches of Bunnies	Matthews	Square numbers, multiplication	1990-OOP Ages 4-12
Bean Thirteen	McElligot	Division	2007 Ages 4-8
The Great Divide	Dodds	Division	2005 Ages 4-8

A Remainder of One	Pinczes	Division with remainders	2002 Ages 4-8
Todos Ganar (in Spanish)	Bruce and Ramirez	Division	2005 Ages 4-8
How Hungry are You?	Napoli and Tchen	Division, fractions	2001 - OOP Ages 4-8

Geometry and Spatial Sense

Title	Author	Comment	Status
Where's the Fly?	Cohen	Spatial sense	1996 – OOP Ages 4-8
My Map Book	Fanelli	Spatial sense	1995 Ages 6-10
Cubes, Cones, Cylinders and Spheres	Hoban	Three dimensional shapes	2000 Ages 8-12
My Very First book of Shapes	Carle	Two dimensional shapes	2005 Ages 3-5
Shapes in the Garden	Rissman	Two dimensional shapes	
Shapes in Buildings	Rissman	Two dimensional shapes – finding them in architecture	2009 Ages 4-8
Shapes in Art	Rissman	Two dimensional shapes in artwork	2009 Ages 4-8
Shapes in Sport	Rissman	Two dimensional shapes	2009 Ages 4-8
Shapes in Music	Rissman	Two dimensional shapes	2009 Ages 4-8
Tadeo's Search for Circles	Booker	Circles	2011 Ages 4-8
Not a Stick	Portis	Imagining everything a stick can be	2007 Ages 4-8
Not a Box	Portis	3D Shapes - Imagining everything a box can be	2006 Ages 4-8
Round is a Pancake	Baranski	Circles, spheres, cylinders	2000 – OOP Ages 4-8
Round is a Mooncake: A Book of Shapes	Thong	Circles, squares and rectangles	2000 Ages 4-8
Square Cat	Schoonmaker	Squares and circles	2011 Ages 4-8
Mouse Shapes	Walsh	Two dimensional shapes	2007 Ages 3-5
Bear in a Square	Blackstone	Two dimensional shapes	2006 Ages 3-5
When a Line Bends... A Shape Begins	Greene	Two dimensional shapes	2001 Ages 4-8
Wind on a Flea: A Book about Shapes	Emberley	Two dimensional shapes	2001 Ages 4-8
Flat Stanley	Brown	Two dimensional shapes	2006

			Ages 9-12
Picture Pie	Emberley	Two dimensional shapes	2006 Ages 6-10
Picture Pie Two	Emberley	Two dimensional shapes	2005 Ages 6-10
Grandfather Tang's Story	Tompert	Two-dimensional shapes, tangrams	1997 Ages 4-12
Circles: Fun Ideas of Getting A-Round in Math	Ross	Circles	1993 Ages 9-12
Three Pigs, One Wolf and Seven Magic Shapes	Maccarone & Neuhaus	Two dimensional shapes	1998 Ages 4-8
A Star in My Orange: Looking for Nature's Shapes	Meachen Rau	Two dimensional shapes,	2005 Ages 4-8
Shapes in Nature	Feldman	Two dimensional Shapes in the world around you	1991 – OOP Ages 4-8
The Greedy Triangle	Burns	Two dimensional shapes	2008 Ages 4-8
Shapes, Shapes, Shapes	Hoban	Two dimensional shapes	1996 Ages 4-8
So Many Circles, So Many Squares	Hoban	Two and three dimensional shapes	1998 Ages 4-8
I Spy Shapes in Art	Mikelthwait	Finding geometric shapes in paintings!!	2004 Ages 4-8
The Art of Shapes: For children and Adults	Steele and Estes	Shapes in art	1997 – OOP Ages 4 - Adult
Round like a Ball –	Campbell Ernst	Through a series of clues discover some things that are round like a ball (eco sensitive)	Ages 4-8
Architecture Shapes	Crosbie and Rosenthal	Shapes in architecture	1993 Ages 9-12
The Village of Round and Square Houses	Grifalconi	Shapes in architecture	1986 Ages 4-8
“M” is for Mirror	Birmingham	Symmetry	1988 Ages 4-8
Snowflake Bentley	Martin	Symmetry	1998 Ages 9-12
Ling and Ting: Not Exactly the Same!	Lin	Symmetry and asymmetry, equal and unequal	2010 Ages 6-9
Chasing Vermeer	Balliett	Pentominoes	2004

			Ages 9-12
Boy Who Invented TV: The Story of Philo Farnsworth	Krull	Connections to parallel lines	2009 Ages 5-8
The Joy of Pi	Blatner	Facts about Pi	1999 - OOP Grades 5-8
Kids Quilt Together: The ABCs of Group Quilts	Emmel	(must know sewing and have sewing machines) transformations, tessellations	2005 Ages 9-14
Sam Johnson and the Blue Ribbon Quilt	Campbell-Ernst	Transformations, arrays (quilt squares)	1992 Ages 4-8
The Seasons Sewn: A Year in Patchwork	Paul	Transformations in quilts	2000 Ages 4-8

Measurement

Title	Author	Comment	Status
The True Meaning of Smekday	Rex	Time- A time capsule that will be opened in 100 years	2007 Ages 9-12
So Big! My First Measuring Book	Faulkner	Length - Non-standard units	2000 Ages 4-8
The Long and Short of it	Nathan	Length – Non standard units	1998 Ages 4-8
The Line up Book	Russo	Length – Non standard units	1986 Ages 4-8
The Lion and the Mouse	Pinkney	Length - using a mouse (in a lion's footprint) – non standard units.	2009 Ages 4-8.
Tia Tape Measure	Klein	Length	2011 Ages 4-8
The Tallest Snowman	Aboff	Length – English and metric units	2008 Ages 4-8
How Big is the Lion?	Accorsi	Length	2010 Ages 4-8
Magnus Maximus, A Marvelous Measurer	Pelley	Length	2010 Ages 4-8
Alice Ramsey's Grand Adventure	Brown	Length – distance across the U.S.	2000 Ages 6-12
Inchworm and a Half	Pinczes	Length – fractional parts (beware the 1/3 inch could be confusing)	2003 Ages 4-8
Jim and the Beanstalk	Briggs	Length, proportional thinking	1997 Ages 4-8
Life Size Zoo	Komiya	Measurement and proportional relationships	2009 Ages 4 -10
Actual Size	Jenkins	Proportional reasoning, measurement	2009 Ages 4-10
Mapping Penny's World	Leedy	Length, area	2003 Ages 4-8
How Big is a Foot?	Myller	Length – non standard and standard measures	1991 Ages 4-8
Follow the Line	Ljungkvist	Length (also counting)	2006 Ages 4-8
Follow the Line Through the House	Ljungkvist	Length (also counting)	2007 Ages 9-12

Follow the Line Around the World	Ljungkvist	Length – distances	2008 Ages 9-12
Twelve Snails to one Lizard: A Tale of Mischief and Measurement	Hightower	Length – inches/feet/yard	1997 Ages 4-8
The Dog: Is a Paw a Foot?	Hirschmann	Length	2007 Ages 9-12
The Barn Savers	High	Length, area	1999 Ages 4-10
How Tall How Short How Faraway	Adler	Length- distance	2000 Ages 4-8
Top of the World: Climbing Mount Everest	Jenkins	Length – height	2002 Ages 9-12
Down, Down Down – a Journey to the Bottom of the Sea	Jenkins	Length - depth scale 11,000 meters to the bottom of the Marianas Trench – deepest spot on Earth.	2009 Ages 5 and up
Bird, Butterfly , Eel	Prosek	Length of migratory paths – birds fly 8,000 miles to southern tip of Argentina	2009 Ages 6 and up
Are we There Yet Daddy?	Walters	Length- distance 100 miles	1999 Ages 4-8
As the Crow Flies: A First Book of Maps	Hartman	Length – distance	1993 Ages 4-8
Subway	Niemann	Length of subway - distance	2010 Ages 4-8
Along a Long Road	Viva	Distance	2011 Ages 3-6
Tille the Terrible Swede: How One Woman, a Sewing needle and a Bicycle Changes History	Stauffacher	Distance - speed	2011 Ages 5-8
The Silk Route: 7,000 Miles of History	Major	Length – distance, time, economics	1996 Age 9-12
The Fattest, Tallest, Biggest Snowman Ever	Ling	Length – non standard, circumference	1997 Ages 9-12
Why Pi?	Ball	Circumference	2009 Ages 9-12
Ride the Wind:	Simon	Length, area, rate, weight	1997 – OOP

Airborne Journeys of Animals and Plants		(migration)	Ages 9-12
Spaghetti and Meatballs for all!: A Mathematical Story	Burns	Area and perimeter	2000 Ages 4-8
Lady Liberty	Rappoport	Surface area, length	2008 Ages 9-12
The Librarian who Measured the Earth	Lasky	Circumference, pi, protractors	1994 Ages 9-12
Counting on Frank	Clement	Non-standard measures for capacity and length	1994 Ages 6-12
Avocado Baby	Burningham	Baby lifts enormous weights	2000 Ages 4-8
Enormous Potato	Davis	Weight	1999 Ages 4-8
8,000 Stones: A Chinese Folktale	Wolkstein	Weight	1972 -OOP Ages 9-12
Here comes the Garbage Barge!	Winter	Weight – barges carries 3168 tons of garbage	2010 Ages 4-8
Millions to Measure	Schwartz and Kellogg	Length, weight, metric system	2006 Ages 4-8
On the Scale – A Weighty Tale	Cleary	Intro to weights in metric and customary	2010 Ages 4 -8
Ton	Miura	Weighing large objects of relative sizes (some issues with scale in the illustrations - might be confusing to students 50 pound beam is 2/3 the size of the 100 pound one)	2006 Ages 7 and up
Panda Kindergarten	Ryder	Weight of Pandas – could encourage other measures	2009 Ages 4-8
Polly's Pen Pal	Murphy and Simard	Length (height) and weight in metric units	2005 Ages 4-8
Zachary Zormer: Shape Transformer	Reisberg	Area, perimeter, length and width	2006 Ages 9-12
Chewy Louie	Schneider	Area (dog eats porch)	2000 Ages 4-8
My Garden	Henkes	Area	2010 Ages 4-8
The Curious Garden	Brown	Area	2009 Ages 4-8
One Small Square: Woods (series –	Silver	Area - using a single square foot at a time the	1997 Ages 6 and up

other books – backyard, etc.)		woods is examined	
Every Minute on Earth: Fun Facts that happen Every 60 Seconds	Murrie and Murrie	Different measurement concepts through the time of 60 seconds	2007 Ages 8-12
Science Measurements: How Heavy? How Long? How Hot?	Eboch	Different measurement concepts through making cookies	2006 Ages 9-12
Storm Run: The Story of the First Woman to Win the Iditarod Sled Dog Race	Riddles	Length, Temperature below zero, rate,	2002 Ages 9-12
The Great Serum Race	Miller	Length, temperature below zero, rate	2002 Ages 9-12
Stickeen: John Muir and the Brave little Dog	Muir retold by Rubay	Length, depth, temperature	1998 Ages 4-8
The Man Who Made Time Travel	Lasky	Measuring latitude	2003 Ages 9-12
The Elements of Pop Up: A Pop up Book for Paper Engineers	Carter	Angles, measuring sides, precision	1999 Ages 9-12
What's your Angle Pythagoras?	Ellis	Angles, Pythagorean Theorem	2004 Ages 9-12
Sir Cumference and the Great Knight of Angleland	Neuschwander	Angles	2001 Ages 9-12
Sir Cumference and the Sword in the Cone: A Math Adventure	Neuschwander	Circumference, Euler's Law of Three Dimensional solids	2003 Ages 9-14
Sir Cumference and the First Round Table	Neuschwander	Circumference	1999 Ages 9-12
Sir Cumference and the Dragon of Pi	Neuschwander	Pi	2004 Ages 9-12
Dave the Potter: Artist, Poet, Slave	Carrick Hill	One of only two potters at the time who could make a pot that could hold more than 20 gallons	2010 Ages 4 and up

Holes	Sachar	Capacity/volume	2008 Ages 9-14
The Greatest Mathematician Archimedes and his Eureka Moment	Hightower	Volume	2009 Ages 10 and up
The Old Man's Mitten: A Traditional Tale	Pollock	Capacity of a mitten	1994 Ages 6-10
Pastry School in Paris – An Adventure in Capacity	Neuschwander	Capacity	2009 Ages 7 and up
The Math Chef: Over 60 Math Activities and Recipes for Kids	D'Amico	Measuring in recipes, also multiplication, fractions and percents	1997 Ages 9-12
Applesauce Season	Lipson	Sorting different kinds of apples and measuring (recipe for applesauce)	2009 Ages 4-8
Who Sank the Boat?	Allen	Capacity	1983 Ages 4-8
Mr. Archimedes' Bath	Allen	Capacity	1998 Ages 4-8
Cook-a-Doodle-Do	Stevens and Crummel	Capacity	2005 Ages 4-8
Oobleck Slime and Dancing Spaghetti – Twenty Terrific At home Science Experiments	Williams	Capacity - Recipes and experiments inspired by favorite children's books	2009 Ages 4-11
No Small Change	Luksetich	Money – pennies to dollars	2005 Ages 4-8
Deena's Lucky Penny	deRubertis	Money – from pennies to dollars	1999 Ages 4-8
A Quarter from the Tooth Fairy	Holtzman	Money - Buying with 25 cents	1995 Ages 4-8
How much is that Guinea Pig in the Window?	Rocklin	Money – saving and spending	1995 Ages 4-8
Benny's Pennies	Brisson	Money – spending	1995 Ages 4-8
The Great Pet Sale	Inkpen	Money – up to \$1.00	1999 – OOP Ages 4-8

Spending Money	Thayer	Money - Spending	2002 Ages 4-8
The Penny Pot	Murphy	Money	1998 Ages 4-8
Jelly Beans for Sale	McMillan	Money	1996 Ages 4-8
A Chair for my Mother	Williams	Money	1984 Ages 4-8
Alexander who used to be Rich Last Sunday	Viorst	Money – saving and spending to \$1.00	1986 Ages 4-8
My Rows and Piles of Coins	Mollel	Money- saving	1999 Ages 4-8
Sam and the Lucky Money	Chinn	Money – saving and spending	1997 Ages 4-8
Something Good	Munsch	Money – buying	1995 Ages 4-8
The Great Pet Sale	Inkpen	Money - spending	1999 -OOP Ages 4-8
Making Cents	Robinson	Money	2008 Ages9-12
Bunny Money	Wells	Money – spending and the value of	2000 Ages 4-8
Pigs go to Market: Fun with Math and Shopping	Axelrod	Money – spending	1999- Ages 4-8
Pigs will be Pigs: Fun with Math and Money	Axelrod	Money - spending	1994 Ages 4-8
From Seashells to Smart Cards – Money and Currency	Giesecke	Money – everyday economics	2002 Ages 9-12
The Coin Counting Book	Williams	Money	2001 Ages 6-10
A Toad for Tuesday	Erickson	Time – 5 days	1998 Ages 4-8
A Second is a Hiccup: A Child's Book of Time	Hutchins	Time	2007 Age 4-8
Just a Second	Jenkins	Time -	2011 Ages 4-8
Just a Minute: A Trickster Tale and Counting Book	Morales	Time – minute (culture)	2003 Ages 4-8
Let's do Nothing!	Fucile	Time – stop doing	2009

		anything for 10 seconds	Ages 4-8
Ten Minutes till Bedtime	Rathmann	Time - Countdown until bedtime	1998
Clean your Room Harvey Moon	Cummings	Time – chores in a day	1994 Ages 4-8
Thirteen Moons on a Turtle's Back: A Native American Year of Moons	Bruchad and London	Time – year/months	1997 Ages 4-8
Arthur's Teacher Trouble	Brown	Time - daily routine	1993 Ages 4-8
Mr. Ouchy's First Day of School	Hennessy	Time telling	2006 Ages 4-8
Cool Time Song	Schaefer	Time – day	2005 Ages 4-8
Bunny Day: Telling Time from Breakfast to Bedtime	Walton	Time – day	2002 Ages 4-8
The Retired Kid	Agee	Time – how a day is spent	2008 Ages 4-8
Bats Around the Clock	Appelt	Time – hours	2000 Ages 4-8
A Toad for Tuesday	Erickson	Time – days in the month	1998 Ages 4-8
Clocks and More Clocks	Hutchins	Time	1994 Ages 4-8
Under Alaska's Midnight Sun	Vanasse	Time – hours of sunlight in a day	2005 Ages 4-8
Chimp Math: Learning about Time from a Baby Chimpanzee	Nagda and Bickel	Time	2002 Ages 9-12
The Story of Clocks and Calendars: Marking a Millennium	Maestro	Time	2004 Ages 9-12
Please, Baby, Please	Lee and Lee	Time - hours	2006 Ages 4-8
How do you Know What Time it Is?	Wells	Time – days, months, years	2002 Ages 4-8
Busy Families: Learning to Tell Time to the Hour	Pezzimenti	Time - hour	2008 Ages 4-8
Pepper's Journal: A Kitten's First Year	Murphy	Time-year	2000 Ages 4-8

All in a Day	Anno	Time – days	1999 Ages 4-8
Nine O'clock Lullaby	Singer	Time - zones	1993 Ages 4-8
In the Next Three Seconds	Morgan	Time, large numbers, facts for problem solving	1999 - OOP Ages 4-8
It's About Time!	Murphy and Speirs	Time - hours	2005 Ages 4-8
What's Older than a Giant Tortoise?	Wells	Time – years	2004 Ages 9-12
What's faster than a speeding Cheetah?	Wells	Time, distance, rate	1997 Ages 4-8
Robert Crowther's Pop Up House of Inventions	Crowther	Time - Dates of inventions – years – how long ago?	2009 Ages 4- up
America's Champion Swimmer: Gertrude Ederle	Adler	Time, distance, rate	2005 Ages 4-8
Telling Time with Big Mama Cat	Harper	Time – hour and minutes	1998 Ages 4-8
Before and After: A Book of Nature Timescapes	Thornhill	Time – minute to years, elapsed time	1997 Ages 4-8

Algebraic Thinking and Patterns

Title	Author	Comment	Status
Chocolate: Riches from the Rainforest	Burleigh	Rate, determining a formula, graphing	2002 Ages 4-8
How to Hunt Buried Treasure	Deem	Algebraic symbols as they are used to create codes	1994-OOP Ages 9-12
Ordinary Mary's Extraordinary Deed	Pearson	Multiplication Exponential functions	2002 Ages 4-8
Invisible Enemies: Stories of Infectious Disease	Farrel	Exponential growth of disease	2005 Ages 9-14
They came from the Bronx: how the Buffalo were saved from Extinction	Waldman	Population growth of a herd	2001 Ages 9-12
Leonardo's Horse	Fritz	Compare growth in height to surface area and volume	2001 Ages 9-12
The Motley Fool Investment Guide for Teens: 8 Steps to having more Money than your Parents ever Dreamed of	Gardner	Compound interest, growth rates	2002 Ages 9-14
Do the Math: Secrets, Lies and Algebra	Lichtman	Inequalities, graphs, Venn diagrams, percentages, quadratic equations, parallel lines, etc.	2008 Ages 9-12
ABABA – A book of Pattern Play	Cleary	Patterns	2010 Ages 4-8
Anno's Magic Seeds	Anno	Patterns	1994 Ages 9-12
There was an Old Lady Who Swallowed a Fly	Adams	Patterns	2000 Ages 3-5
Patterns at the Museum	Steffora	Patterns	2011 Ages 4-8
Patterns All Around Me	Callella-Jones	Patterns	1998 – OOP Ages 3-5
Pattern	Pluckrose	Pattern	1995 Ages 4-8
Pattern Fish	Harris	Patterns	2000 Ages 4-8
Pattern Bugs	Harris	Patterns	2001

			Ages 4-8
Busy Bugs: A Book about Patterns	Harvey	Patterns	2003 Ages 4-8
Bats on Parade	Appelt	Patterns – growing	1999 Ages 4-8
Nature’s Paintbrush: The Patterns and Colors around You	Stockdale	Patterns in nature	1999 Ages 4-8
Spotted Yellow Frogs	Van Fleet	Patterns	1998 Ages 4-8
Mr. Noisy’s Book of Patterns	Williams	Patterns in sound	2008 Ages 4-8
Look Once, Look Twice	Marshall	Patterns in nature	1995 Ages 4-8
Close, Closer, Closest	Rotner and Olivo	Patterns of color and texture	1997 – OOP Ages 4-8
Cereal Math	Yeatts	Pattern with cereal (and other concepts)	2000- OOP Grades K-2
Two of Everything: A Chinese Folktale	Hong	Algebraic thinking – function machine	1993 Ages 4-8
Equal Shmequal	Kroll and O’Neill	Balance equations	2005 Ages 4-8
Wild Fibonacci: Nature’s Secret Code Revealed	Hulme	Patterns - Fibonacci	2005 Ages 4-8
Rabbits, Rabbits Everywhere: A Fibonacci Tale	McCallum	Patterns – Fibonacci	2007 Ages 9-12
Growing Patterns	Campbell	Patterns - Fibonacci	2010 Ages 9-12
Blockhead: The Life of Fibonacci –	Holt	Fibonacci patterns – story of a great mathematician	2010 Ages 9-12–
The Rabbit Problem	Gravett	Fibonacci sequence	2010 Ages 4-8
Kiss My Math: Showing Pre-Algebra Who’s Boss	McKellar	Negative numbers, algebra, exponents	2008 Ages 9-14

Data, Sorting and Classifying and Probability

Title	Author	Comment	Status
Tally Cat Keeps Track	Harris	Keeping tallies of many things (needed for collecting data)	2010 Ages 4-8
It's a Book	Smith	Graph - how many books students have read	2010 Ages 4-8)
This is the Way we go to School: A Book about Children around the World	Baer	Graph – ways to come to school	1992 Ages 4-8
Tiger Math: Learning to Graph from a Baby Tiger	Nagda and Bickel	Variety of graph formats to explore data on tigers	2002 Ages 9-12
Fair is Fair!	Dussling	Bar graphs to analyze allowances	2003 Ages -48
What do You Like!	Grenjniec	Graphs – of favorites	1995 Ages 408
Chrysanthemum	Henkes	Graph of the length of names	1996 Ages 4-8
Shake, Rattle and Turn that Noise Down!	Stamaty	Graph of favorite kind of music	2010 Ages 4-8
Cars Galore	Stein	Graphs of different cars	2011 Ages 4-8
Incredible Comparisons	Ash	Data for comparing	1996 Ages 9-12
Best Vacation Ever	Murphy	Data collection	1997 Ages 4-8
In the Next Three Seconds	Morgan	Data	1997 – OOP Ages 9-12
The Bone Detective: How Forensic Anthropologists Solve Crimes and Uncover Mysteries of the Dead	Jackson	Use data of bone comparisons in a scatter plot to predict	1996 Ages 9-12
The Family Book	Parr	Data – graphing family information	2003 Ages 4-8
Baseball's Greatest Hitters	Kramer	Data	2000 Ages 9-12
Too Many Toys	Shannon	Data – favorite toys	2008 Ages 4-8

200% of Nothing: An Eye-Opening Tour through the Twists and Turns of Math Abuse and Innumeracy	Dewdney	Misuse of statistics	1996 Ages 9-adult
If the World Were a Village: A Book about the World's People	Smith	Data on the world	2002 Ages 9-12
A Mathematician Reads the Newspaper	Paulos	Misuse of statistics	1997 Ages 9-adult
The Most Beautiful Roof in the World: Exploring the Rainforest Canopy	Lasky	Data collection, measurement and women in scientific careers	1997 Ages 9-12
Why Don't Haircuts Hurt? Questions and Answers about Your Body	Berger	Data collection, number and proportions	1999 Ages 4-8
The Book of Lists for Teens	Choron	Data collection and organization	2002 Ages 9-12
The Worry Tree	Musgrove	Data Collection – about worries	2008 Ages 9-12
A Worldwide Cinderella	Fleischman	Comparative versions of Cinderella – Venn diagrams	Age 5 and up
Sort it Out	Mariconda	Attributes and classifying	2008 Ages 4-8
Frog and Toad are Friends	Lobel	Classification of Attributes (button story)	1970 Ages 4-8
Five Creatures	Jenkins	Classification of attributes	
More, Fewer, Less	Hoban	Classifying objects, estimation, compare sizes or quantity	1998
Hannah's Collections	Jocelyn	Sorting and counting	2004 Ages 4-8
A String of Beads	Reid	Sorting and classifying	1997
The Button Box	Reid	Sorting and classifying	1995 Ages 3-5
Grandma's Button Box	Aber	Sorting and classifying	2002 Ages 4-8
Hat	Hoppe	Sorting hats	2009 Ages 3-6
Sorting	Pluckrose	Sorting	1995 Ages 4-8

Sort it Out	Mariconda and Rodgers	Sorting	2008
A Worldwide Cinderella	Fleischman	Comparative versions of Cinderella – Venn diagrams	Age 5 and up
Jumanji	Van Allsburg	Probability	2011 Ages 4-8
Cloudy with a Chance of Meatballs	Barrett	Probability	1978 Ages 4-8
Hunger Games	Collins	Probability	2010 Ages 9-12
It's Probably Penny	Leedy	Probability	2007 Ages 4-8
Same Old Horse	Murphy	Probability	2005 Ages 4-8
A Very Improbable Story	Einhorn	Probability	2008 Ages 4-8
Go Figure! A Totally Cool Book about Numbers (Take a Chance)	Ball	Probability	2005 Ages 9-12
Wolf's Chicken Stew	Kasza	Probability (components of stew)	1996 Ages 4-8
Probably Pistachio	Murphy	Probability	2001 Ages 6-10
Do you Wanna Bet? You Chance to Find out About Probability	Cushman	Probability	2007 Ages 9-12
My Little Sister ate One Hare	Grossman	Probability	1996 Ages 4-8
Lotteries: Who Wins, Who Loses	Weiss	Probability	1991 – OOP Ages 9-12
Harry Potter (Series)	Rowling	Probability (Quidditch)	1998-2007 Ages 9-12
A Three Hat Day	Geringer	Combinations	1987 Ages 4-8
Meanwhile: Pick Any Path. 3,856 Story Possibilities.	Shiga	Probability of a story – by the selection of many options	2010 Ages 9-12

Fractions, Decimals, Percent

Title	Author	Comment	Status
Tops and Bottoms	Stevens	Fractions – half	1995 Ages 4-8
My Half Day	Fisher and Sneed	Fractions	2008 Ages 4-8
The Pizza Palace	Aboff	Fractions with regional and set models	2008 Ages 4-8
Whole-y Cow! Fractions are Fun	Souders	Fractions	2010 Ages 4-8
Gator Pie	Mathews	Fractions – regional model to 100ths	1995 - OOP Ages 4-8
Full House: An Invitation to Fractions	Dodds	Fractions	2007 Ages 4-8
The Doorbell Rang	Hutchins	Fractions – set model	1986 Ages 4-8
Rabbit and Hare Divide an Apple	Ziefert	Fraction – half	1998 Ages 4-8
Fraction Fun	Adler	Fractions	1996 Ages 4-8
Working with Fractions	Adler	Fractions – regional and set models	2009 Ages 9-12
Apple Fractions	Pallotta	Fractions	2003 Ages 4-8
Piece = Part = Portion: Fractions = Decimals = Percents	Gifford and Thaler	Fractions, decimal and percent relationships	2008 Ages 9-12
Fractions, Decimals and Percents	Adler	Fractions, decimals and percent information	2010 Ages 9-12
Pizza Counting	Dobson and Holmes	Fractions, number operations	2003 Ages 4-8
The Wishing Club: A Story about Fractions	Napoli	Fractions	2007 Ages 4-8
Two Greedy Bears	Ginsburg	Fractions, equivalence, ratio	1998 – OOP Ages 4-8
Five Creatures	Jenkins	Fractions – set model, part-whole relationship	2005 Ages 9-12
How Hungry are You?	Napoli and Tchen	Fractions – set model	2001 Ages 4-8
One of Three	Johnson	Fractions - set model	1995 Ages 4-8
Small Numbers: and	Packard	Place value to one	2001

Pictures that show just how Big they are!		trillionth, fractions	Ages 4-8
The Man Who Counted: A Collection of Mathematical Adventures	Tahan	Fractions – use Beast of Burden Story (other math concepts are developed)	1993 Ages 9-12
The Man Who Made Parks	Wishinsky	Fractions – part of a park	1999 Ages 9-12
Alice’s Adventures in Wonderland	Carroll	Fractions – multiplication of	1865 Ages 9-12
Eating Fractions	McMillan	Fraction	1992 – OOP Ages 4-8
Better Homes and Gardens new Junior Cookbook	Better Homes	Fractions	2004 Ages 9-12
The Math Chef: Over 60 Math Activities and Recipes for Kids	D’Amico	Measuring in recipes, also multiplication, fractions and percents	1997 Ages 9-12
The Phantom Tollbooth	Juster	Decimals (other math concepts are developed)	1961 Ages 9-12
200% of Nothing	Dewdney	Percent increase and decrease, compound interest	1996 Ages 9-12
The Book of Lists for Kids	Choron	(p. 133-4) cost of toys in 1987 – percent increase	2002 Ages 9-12
Advertising: Information or Manipulation (chapter 6)	Day	Compare content in teen magazines to figure the percent of advertising	1999-OOP Ages 9-12

Counting

Title	Author	Comment	Status
Little 1	Rand	Counting	2006 Ages 4-8
One Leaf Rides the Wind	Mannis	Also introduces Haiku	2005 Ages 4-8
Mimi's Book of Counting	Chichester Clark	Numeral recognition	2003 Ages 3+
City Numbers	Schwartz	Numeral recognition	2011 Ages 3+
How Do I Love You?	Kimmelman	Counting sequence – but not counting objects	2005 Ages 4-8
One Foot, Two Feet	Maloney	Counting and irregular plural nouns	2011 Ages 4-8
Ten Tiny Babies	Katz	Counting 1-10	2011 Ages 3+
Sand Castle Bash	Scieszka	Counting from 1-10	2009 Ages 3-7
One Watermelon Seed	Lottridge	Counting	2008 Ages 4-8
How Many Donkeys? An Arabic Counting Tale	McDonald	Counting to 10	2012 Ages 4 - 8
These Bees Count	Formento	Counting to 10	2012 Ages 4-8
Too Many Monsters!: A Halloween Counting	Neubecker	Counting	2010 Ages 4-8
Ones and Twos	Jocelyn	Counting, sorting and pairing	2011 Ages 3 and up
Monday is the One Day	Levine	Counting days of the week	2011 Ages 3-8
Counting in the City	Steffora	Counting in the city	2011 Ages 4-8
Counting on Snow	Newhouse	Counting book of northern animals	2010 Ages 4-8
Touch the Art: Count Monet's Lilies	Appel	Counting	2010 Ages 4-8
Ten Town: Ready, Set, Count	Loewen	counting	2010 Ages 4-8
Ten on a Sled	Norman and Woodruff	Counting	2010 Ages 4-8
How many Kisses	Thomas	Counting	2010

Goodnight?			Ages 3- up
Counting Kisses	Katz	Counting	2003 Ages 3- up
Numbers from Nature	Play Bac	Counting	2010 Ages 3 and up
Look Whooo's Counting	McDonald	Counting 1-10	2001 Ages 3- up
Fish, Swish! Splash, Dash!: Counting Round and Round –	McDonald	Counting 1-10	2007 Age 3-5
Piglets Playing: Counting from 11 to 20	Atwood	Counting from 11 to 20	2012 Ages 4-8
City Lullaby	Singer	Counting rhyme in traffic	2007 Ages 4-8
Ten Oni Drummers	Gollub	Counts to 10 (Japanese names for numbers)	2000 Ages 4-8
Grandfather Counts	Cheng	Counting (Chinese names for numbers)	2003 Ages 4-8
Birdsongs	Franco and Jenkins	Count from 1-10	2007 Ages 4-8
10 Fat Turkeys	Johnston	Counting	2004 Ages 4-8
The Very Hungry Caterpillar	Carle	Counting	1969 Ages 4-8
Counting Your Way: Number Nursery Rhymes	Pierce	Counting along with rhymes	2004 Ages 4-8
10 Black Dots	Crew	Count to 10	1995 Ages 4-8
One Watermelon Seed	Lottridge	Count to 10	2008 Ages 3-6
10 Patitos de Goma	Carle	Count to 10	2007 Ages 4-8
Pugs in a Bug	Crimi	Count to 10	2012 Ages 3 and up
Mother Goose: Numbers on the Loose	Dillon and Dillon	Counting rhymes	2007 Ages 4-8
One Lonely Seahorse	Freymann and Elffers	Counting animals made from fruits and vegetables, simple addition	2000 Ages 3-5
Count on Pablo	deRubertis	Counting to solve problems	2005 Ages 4-8
Let's Count	Hoban	Numbers up to 100 with multiple representations	1999 Ages 3-5

My Big Counting Book	Funfax	Babies from 1-100	1999 Ages 3-5
The Handmade Counting Book	Rankin	Counting in sign language	1998 – OOP Ages 3-5
Spots: Counting Creatures from Sky to Sea	Lesser	Counting with spotted animals in the earth ten biomes	1999 Ages 4-8
Teeth, Tails and Tentacles	Wormell	Count from 1-20	2004 Ages 4-8
Ten Little Mummies: An Egyptian Counting Book	Yates	Count down from 10	2005 Ages 4-8
Soccer Counts!	McGrath, Alderman and Estrada	Count from 0-15	2003 Ages 3-5
Look Whooo's Counting	MacDonald	Count from 1-10, shape of numerals, addition	2000 Ages 3-5
One Child, One Seed	Cave	Count from 1-10	2003 Ages 4-8
Ten Red Apples: A Bartholomew Bear Counting Book	Miller	Count to 10, part-whole relationship, odd and even numbers	2004 Ages 4-8
Splitting the Herd: a Corral of Odds and Evens	Harris	Odd and even numbers	2008 Ages 4-8
One Odd Day	Fisher and Sneed	Odd numbers	2007 Ages 4-8
Even Steven and Odd Todd	Christaldi	Even and Odd numbers	1996 Ages 4-8
My Even Day	Fisher	Even numbers	2007 Ages 4-8
Number 1 Teacher: A School Counting Book	Layne and Layne	Counting – to 100	2008 Ages 4-8
Counting in the Grasslands	McKissack and McKissack	Counting - biomes	2008 Ages 4-8
The Baker's Dozen: A Counting book	Andreasen	Counting	2007 Ages 4-8
1, 2, Buckle my Shoe	Grossnickle Hines	Counting	2008 Ages 3-5
Christopher Counting	Gorbachev	Counting	2008 Ages 3-5
Chicka Chicka 1, 2, 3	Martin and Sampson	Counting	2009 Ages 4-8
Click, Clack, Splish, Splash: A Counting	Cronin and Lewin	Counting (also in Spanish)	2006 Ages 4-8

Adventure			
One Big Building: A Counting Book about Construction	Dahl	Counting	2004 Ages 4-8
Dog's Colorful Day: A messy Story about colors and Counting	Dodd	Counting	2003 Ages 4-8
One More Sheep	Kelly	Counting	2004 Ages 4-8
One Leaf Rides the Wind: Counting in a Japanese Garden	Mannis	Counting to 10	2002 Ages 4-8
Find Anthony Ant	Philpot	Counting	2006 Ages 4-8
How Many?	Van der Meer	Counting – pop up	2007 Ages 4-8
Know What I Saw?	Fisher	Counting	2005 Ages 4-8
1 2 3 for You and Me	Girnis	Counting (excellent representation of diverse children in photos)	2001 Ages 3-5
I Can Count the Petals of a Flower	Wahl and Wahl	Counting petals (colors match Cuisenaire rod colors)	1985 - OOP Ages 4-8
Count on your Fingers African Style	Zaslavsky	Counting – using fingers in different ways	1996 - OOP Ages 4-8
Ten Black Dots	Crews	Counting to 10	1995 Ages 4-8
Tea for Ten	Anderson	Counting to 10	2000 – OOP Ages 3-5
Anno's Counting House	Anno	Counting to 10, addition	1982 – OOP Ages 4-8
Fruits: A Caribbean Counting Poem	Bloom	Counting	1997 – OOP Ages 4-8
Gathering: A Northwoods Counting Book	Bowen	Counting	1999 Ages 4-8
Twelve Terrible Things	Kelley	Count to 12	2008 Ages 4-8
Four Fur Feet	Brown	Counting	1996 – OOP Ages 4-8
At the Edge of the Woods: A Counting Book	Cotten	Counting to 10	2002 Ages 4-8

Turtle Splash! Countdown at the Pond	Falwell	Counting to 10	2008 Ages 4-8
Bring me What I Ask: A Hawaiian Story about Numbers	Kaopuili	Counting to 10	1991 – OOP Ages 4-8
My Arctic 1, 2, 3.	Kusugak, and Krykorka	Counting	2005 Ages 3-5
The Baseball Counting Book	McGrath	Counting to 20	1999 Ages 4-8
Ten Rowdy Ravens	Ewing	Counting Down from 10	2005 Ages 4-8
Count Down with Milo and Mouse	Austin	Counting down from 10	2012 Ages 3 and up
Follow the Line	Ljungkvist	Counting	2006 Ages 4-8
Ten Flashing Fireflies	Sturges	Count up and down from 10	1997 Ages 4-8
Count Down to Fall	Hawk	Count backward from 10- 1	2009 Ages 4-8
The History of Counting	Schmandt-Besseratt	Cultural and historical exploration of counting	1999 Ages 9-12

Problem Solving

Title	Author	Comment	Status
Seven Blind Mice	Young	Problem solving by collecting information	1992 Ages 4-8
Arithme-Tickle	Lewis	Problem solving riddles	2007 Ages 4-8
How high can A Dinosaur Count? And Other math Mysteries	Fisher	Problem Solving situations	2006 Ages 6-10
The 100-Pound Problem	Dussling	Real world problem solving	2005 Ages 4-8
Robert Crowther's Pop-Up House of Inventions: Hundreds of Fabulous Facts About Your Home	Crowther	Real world problem solving situations	2009 Ages 6+
Pop! The Invention of Bubble Gun	McCarthy	Facts about gum, recipe, etc. that can be used for problem solving	2010 Ages 4 and up
How many Baby Pandas?	Markle	Facts about pandas – adult pandas eat bamboo 14 hours per day, etc.	2011 Ages 4-8 -
The Vanishing Violin	Bell	Logic, math and brain teasers as female sleuths look for a lost violin	2010 Ages 9-12
The Humblebee Hunter – Inspired by the Life and Experiments of Charles Darwin and his Children	Hopkinson	Facts - How many flowers can a bubble bee visit in a minute – 21.	2010 Ages 4-8. .
The Complete Aquarium Adventure	Clifton	Lots of numerical facts about animals	2009 Ages 9-12
We were there too: Young People in US History.	Hoose	Story problem can be developed from a variety of stories	2001 Ages 10-up.
A Million Dots	Clements	Problem solving and computation with factual information	2006 Ages 9-12
The Warlord's Alarm	Pilegard	Historical China – problem solving	2006 Ages 4-8

26 Letters and 99 Cents	Hoban	Problem solving with money	1995 Ages 4-8
The \$1.00 Word Riddle Book	Burns	Problem solving	1990 Ages 6-11
Grapes of Math: Mind-Stretching Math riddles	Tang	Riddles	2004 Ages 9-12
Go Figure! : A Totally Cool Book about Numbers.	Ball	Puzzles, problems and mathematical information	2005 Ages 9-12
Math Wizardry for Kids	Kendra & William	Puzzles, problems to solve and more	2009 Ages 9-12
Ask Me Anything	Dorling Kindersley	Fact book for creating problems	2011 Ages 9 and up
Fun with Finance: Math + Literacy = Success	Peterson	Problem solving with finances	2009 Ages 9-12
On Riddle One Answer	Thompson	Fictional tale with a mathematical riddle involving place value, fractions and multiplication	2001 Ages 4-8
Cam Jansen and the Green School Mystery	Adler	Problem solving situations – such as they make 5 cents per can or bottle – how much do they make?	2009 Ages 9-12
That Book Woman	Henson	Problem solving on distance traveled by Appalachian pack horse librarians	2008 Ages 4-8
Young Cam Jansen and the 100 th Day of School Mystery	Adler	100 day in school – problem solving	2009 Ages 9-12
Math Curse	Scieszka	Problem solving	1995 Ages 4-8
Chasing Vermeer	Balliett	Problem solving	2004 Ages 9-12
The Wright 3	Balliett	Problem solving, geometry, architecture, codes	2006 Ages 9-12
First Day in Grapes	Perez	Mental computation, counting and problem solving	2002 Ages 4-8
What the World Eats	Menzel and D'Alusio	Data for real world problem solving	2008 Ages 11-14
It's Disgusting and	Solheim	Data for real world	2001

We Ate it! True Food Facts from Around the World		problem solving	Ages 9--12
Biggest, Strongest, Fastest	Jenkins	Statistics for problem solving	1997 Ages 4-8
Hottest, Coldest, Highest, Deepest	Jenkins	Statistics for problem solving	2004 Ages 4-8
National Geographic Kids Almanac 2010	National Geographic	Many numerical facts	2010 Ages 9-12
Arithmetricks	Cipriano	Math through tricks and games (good for Family Math)	2007 Grades 4-6
The Monster who Did my Math	Schnitzlein	Math problems	2007 Ages 4-8
Parallella's Problem	Allanson	Problem solving Middle schoolers	2007 Ages 4-8
Wheels of change: How women Rode the Bicycle to Freedom	Macy	Problem solving situations	2011 Ages 10 and up
Incredible Comparisons	Ash	Statistics to build problems around	1997 – OOP Ages 9-12
The World in One Day	Ash	Statistics to build problems around	1997 – OOP Ages 9-12
The Top Ten of Everything 2009	Ash	Statistics to build problems around	2008 (updated each year) Ages 9-12

Proportional Thinking and Size Comparisons

Title	Author	Comment	Status
If you Hopped like a Frog	Schwartz	If humans had the same abilities – proportional thinking and reasoning	1999 Ages 4-8
The Wicked Big Toddler	Hawkes	Giant baby in Maine, compare to average baby	2007 Ages 4-8
The Warlord's Puppeteers	Pilegard and Debon	Proportion 1:6 ratio	2003 Ages 4-8
Counting on Frank	Clement	Proportional situations	1991 Ages 9-12
If the World Were a Village: A Book about the World's People	Smith	Proportion to 100, percent	2002 Ages 9-12
The Flint Hear	Phillpotts (Patterson)	Proportional comparisons	2011 Ages 7-12
King Hugo's Huge Ego	Van dusen	Tiny king	2011 Ages 3-6
The Borrowers	Norton	Small size	1953 Ages 9-12
One of Three	Johnson	1:3 relationships	1995 Ages 4-8
A Pizza the Size of the Sun	Prelutsky	Proportional comparisons	1996 Ages 9-12
The Odious Ogre	Juster & Feiffer	Giant ogre	2010 Ages 4-8
Three Little Aliens and the Big Bad Robot	McNamara	Proportion, planet info too	2011 Ages 4-10
Swamp Angel	Isaacs	Giant girl	2000 Ages 5-9
Dust Devil	Isaacs	Giant girl continued	2010 Ages 5-9
Stand Straight, Ella Kate: The True story of a Real Giant	Klise	Story of 8 foot 4 woman – earned as much in a month as her father earned in a year of farming – actual size glove (size 24) – you can compare your hand to it	2010 Ages 6-8
The Sixty-Eight Rooms	Malone	Story in Chicago Art Institute Thorne Rooms – miniature chambers	2010 Ages 8-12
Sylvia Long's	Long	Proportional thinking	2010

Thumbelina			Ages 7-10
Thumbelina	Alderson	Proportional thinking	2010 Ages 4-8
Life Size Zoo	Komiya	Measurement and proportional relationships	2009 Ages 4 -10
Actual Size	Jenkins	Proportional reasoning, measurement	2009 Ages 4-10
Dot in Larryland: The Big Little Book of an Odd-Sized Friendship	Marx & Chast	Proportional situations	2008 Ages 4-8
Alice's Adventures in Wonderland	Carroll	Proportional situations	1865 Ages 9-12
Gulliver's Travels	Swift	Proportional situations	1726 Ages 9-12
Jim and the Beanstalk	Briggs	Proportional situations	1970 Ages 9-12
Kate and the Beanstalk	Osborne	Proportional situations	2000 Ages 9-12
Shadows and Reflections	Hoban	Using shadows to calculate height	1990 Ages 9-12
Beanstalk: The Measure of a Giant	McCallum	Proportional situation	2006 Ages 9-12
The Big Bat	Jewell	Proportional thinking, measuring.	2010 Ages 9-12
Where the Sidewalk Ends – One Inch Tall	Silverstein	Small size	1973 Ages 9-12
Giant Carrot	Peck	Large size	1998 Ages 4-8
Holes	Sachar	Rate	2000 Ages 9-12
How Big?	Harris	Scale and Proportional situations	2004 Ages 9-12
Actual Size	Jenkins	Size of animals – for comparisons	2004 Ages 9-12
Jumbo	Blumberg	Size of an elephant – for comparisons	1992 – OOP Ages 4-8
Earth from Above	Arthus-Bertrand and Burleigh	Scale and proportion (aerial photos)	2002 Ages 9-12
A Pig is Big	Florian	Comparisons of relative size	2000 Ages 4-8
How Big are They?	Harris	Comparisons of relative size	2003 Ages 9-12
What's Smaller than a Pygmy Shrew?	Wells	Comparisons of relative size	1995 Ages

Is a Blue Whale the biggest Thing There is?	Wells	Comparisons of relative size	1993
What's Faster Than a Speeding Cheetah?	Wells	Comparisons of relative speed	1997
Big and Little	Jenkins	Comparisons of size of animals	1996 Ages 4-8
A Pig is Big	Florian	Comparisons of relative size	2000 Ages 4-8

Number Sense

Title	Author	Comment	Status
Kindness is Cooler, Mrs. Ruler	Cuyler	100 Acts of kindness for an unruly class	2007 Ages 4-8
Counting on Frank	Clement	Estimation	1994 Ages 4-8
Nicky and the Big Bad Wolves	Gorbachev	Estimation	2000 Ages 4-8
Greater Estimations	Goldstone	Estimation	2008 Ages 9-12
Great Estimations	Goldstone	Estimation	2006 Ages 9-12
Incredible Explosions	Platt	Estimate number	1996 – OOP Ages 9-12
What the World Eats	Menzel and D'Alusio	What families around the world eat in one week	2008 Ages 11-14
Number Sense and Nonsense: Building Math Creativity and Confidence through Number Play	Zaslavsky		2001 Ages 9-12
Betcha!	Murphy	Estimation	1997 Ages 4-8

Miscellaneous

Title	Author	Comment	Status
G is for Googol: a Math Alphabet Book	Schwartz	Variety of mathematical terms and historical topics	1998 Ages 9-12
Math Doesn't Suck: how to Survive Middle School Math without Losing your Mind or Breaking a Nail	McKellar	Prime factorization, LCM, GCF, decimals, percents, fractions, problem solving, algebra in real-life situations	2007 Ages 10-14
Any Number can Play: The Numbers Athletes Wear	Sullivan	Sports and number trivia	2000 Ages 9-12
Angles to Zeros: Mathematics from A to Z	Dolphin	Mathematical dictionary	2008 Ages 4-8
Cool Math	Maganzini	Math puzzles, tricks and real world applications	1997 - OOP Ages 9-12
Nature Got there First: Inventions Inspired by Nature	Gates	Mathematics in nature	1999- OOP Ages 9-12
The History of Counting	Schmandt-Besserat	Mathematical counting tools over the ages, zero	1999 Ages 9-12
Mathemagic!: Number Tricks	Colgan	Number tricks	2011 Ages 9-12
Amazing Math Magic	Ho	Math concepts through "magic"	2002 Ages 9-12
Math: Discovering Careers for your Future	Ferguson	Math careers	2008 Ages 9-12
Career Ideas for Kids who like Math	Reeves	Math careers	2000 – OOP Grades 4-8
Career Ideas for Kids who like Math and Money	Reeves and Clasen	Math careers	2001 Ages 9-12
The Most Beautiful Roof in the World	Lasky	Career Opportunities in mathematics and science	1997 Ages 9-12
The Math book for Girls and Other Beings Who Count	Wyatt	Measurement, proportion, area, patterns, careers and more	2000 Ages 9-12
Mental Math Challenges	Lobosco	Math enrichment activities	1999 Grades 5-8
Jon Agee's	Agee	Palindromes	2009

Palindromania			Ages 9-12
Sit on a Potato Pan, Otis!	Agee	Palindromes	1999 – OOP Ages 9-12
Go Hang a Salami! I'm a lasagna Hog? And other Palindromes	Agee	Palindromes	1994 Ages 9-12
The Number Devil: A Mathematical Adventure	Enzensberger	Number Patterns	2000 Ages 9-12
Math for Smarty Pants	Burns	Puzzles and tricks	1982 Ages 9-12
The I Hate Mathematics Book	Allison and Burns	Brain teasers and riddles	1975 Ages 9-12
Hannah, Divided	Griffin	Young adult fiction about a girl with a special talent in math	2002 Ages 9-12
The Curious Incident of the Dog in the Night time	Haddon	Young adult fiction about a boy with autism who also has a special talent in math (prime numbers, problem solving)	2004 Ages 9-adult
An Abundance of Katherines	Green	Young adult fiction about thinking about relationships through math functions and equations	2006 Ages 11-adult
Sticks	Bauer	Young adult fiction about a boy who sees math as a way to win at playing pool	1997 Ages 11-14
Are you the King? Are you the Joker	Adrian	Math Games with Playing Cards	2006 Ages 9-12
Big Ideas for Small Mathematicians	Kanjander	Math Activities for families	2007 Ages 9-12
Big Ideas for Growing mathematicians	Kanjander	Math Activities for Families	2007 Ages 9-12
Family Math	Stenmark, Thompson, Cossey	Math Activities that involve families	1986 Ages 5-12
Family Math II: Achieving Success in Math	Coates and Thompson	More activities for families	2003 Ages 5-12
Family Math for Young Children: Comparing	Stenmark and Coates	Activities for families of young children	1997 Ages 4-8
Family Math: Middle School	Thompson	Activities for families of middle school children	1998 Ages 10-15

Years, Algebraic Reasoning and Number Sense			
Games for Math	Kaye	66 games to teach math concepts	1988 Ages 4-8
Math Games & Activities from Around the World	Zaslavsky	Math Games in various cultures	1998 Ages 9-12
Last to Finish: A Story about the Smartest Boy in Math Class	Esham	Attitudes toward math, quantitative thinking – perseverance	2008 Ages 4-8
The Library of Alexandria	Trumble	Place where great mathematics and science concepts were researched	2003 Ages 9-12
Math Dictionary for Kids: The Essential Guide to Math Terms, Strategies and Tables	Fitzgerald	Dictionary of math terms, mnemonic devices relating to math	2005 Grades 4-8
The Story of Science: Aristotle Leads the Way	Hakim	Basic mathematics principles needed to understand science	2004 Grades 5-8
Math and Science Across Cultures: Activities and Investigations from the Exploratorium	Bazin	Collection of math and science activities from different cultures	2002 Grades 4-8
Managing the Mean Math Blues	Ooten	Reducing math anxiety	2003 Middle grades – adult

Comparisons – Classification and Size

Title	Author	Comment	Status
Glass Slipper, Gold Sandal: A Worldwide Cinderella	Fleischman	Comparative versions of Cinderella – Venn diagrams	2007 Ages 4-8
The Orphan: A Cinderella Story from Greece	Manna & Mitackidou	Another Cinderella story (see above)	2011 Ages 4-8
Sort it Out	Mariconda	Attributes and classifying	2008 Ages 4-8
Frog and Toad are Friends	Lobel	Classification of Attributes (button story)	1970 Ages 4-8
Five Creatures	Jenkins	Classification of attributes	2005 Ages 4-8
More, Fewer, Less	Hoban	Classifying objects, estimation, compare sizes or quantity	1998 Ages 3-5
Hannah's Collections	Jocelyn	Sorting and counting	2004 Ages 4-8
A String of Beads	Reid	Sorting and classifying	1997 - OOP Ages 4-8
The Button Box	Reid	Sorting and classifying	1995 Ages 4-8
Sort it Out	Mariconda and Rodgers	Sorting	2008 Ages 4-8
Harriet's Halloween Candy	Carlson	Sorting by colors, size and favorites	2002 Ages 4-8
A Pig is Big	Florian	Comparisons of relative size	2000 Ages 4-8
How Big are They?	Harris	Comparisons of relative size	2003 Ages 9-12
What's Smaller than a Pygmy Shrew?	Wells	Comparisons of relative size	1995 Ages
Is a Blue Whale the Biggest Thing There is?	Wells	Comparisons of relative size	1993 - OOP Ages 4-8
What's Faster Than a Speeding Cheetah?	Wells	Comparisons of relative speed	1997 Ages 4-8
Big and Little	Jenkins	Comparisons of size of animals	1996 Ages 4-8

Exponents, Integers and Real Numbers

Title	Author	Comment	Status
The Number Devil	Enzensberger	Square roots, Prime numbers, Fibonacci sequence,	1997 Ages 9-12
Oh, Yikes! History's Grossest, Wackiest moments	Masoff	Timelines, integers	2006 Ages 9-12
Less Than Zero	Murphy and Remkiewicz	Negative numbers, line graphing	2003 Ages 4-8
Kiss My Math: Showing Pre- Algebra Who's Boss	McKellar	Negative numbers, algebra, exponents	2008 Ages 9-14
Negative Nine	Vanderbilt and Vanderbilt	Negative numbers on the number line	2008 Ages 9-12

Math Poetry

Title	Author	Comment	Status
Mathematticles	Franco and Salerno	Four operations, fractions, geometry	2006 Ages 4-8
Counting our Way to the 100 th Day	Franco	100 poems to count down to the 100 th day of school	2004 Ages 4-8
Math Poetry	Franco	Templates for teacher use	2006 Adult
Marvelous Math: A Book of Poems	Hopkins	Poems on various topics	2001 Ages 4-8
Math Potatoes: Mind Stretching Brain Food	Tang	Rhyming verses	2005 Ages 4-8
Edgar Allen Poe's Pie: Math Puzzlers in Classic Poems	Lewis	Problem solving from well-known poems	2012 Ages 9-12
Math for all Seasons	Tang	Rhyming math puzzles	2005 Ages 4-8
Let's Count the Raindrops	Benjamin	Quantity/weather	2001 Ages 4-8
Counting Caterpillars and other Math Poems	Franco	Quantity	1999 Ages 4-8
Einstein the Girl who Hated Maths	Agard	Number, decimal point, etc.	2003 Ages 9-12
Math Fables Too	Tang	Number, place value, problem solving	2007 Ages 4-8
Math and Poetry Fun with Sidney and Silly Friends	Penn and Tommer	Poetry	2008 Ages 9-12
Sidney the Silly who only Eats 6 -	Penn and Tommer	Poetry	2007 Ages 9-12