

Mathematical Book Lists by Categories
Julie Adams, KCM Conference 2015

Sorting & Classifying

Are You My Mother?, P.D. Eastman
 The Button Box, Margarete Reid
 Five Creatures, Emily Jenkins
 Goldilocks and the Three Bears, Robert Southey
 Hats, Hats, Hats, Ann Morris
 More or Less a Mess, Sheila Keenan (Hello Math)
 Seaweed Soup, Stuart Murphy
 Shoes, Shoes, Shoes, Ann Morris
 What Color is Your Underwear?, Sam Lloyd
 You are Not Small, Anna Kang

Patterns

A-B-A-B-A A Book of Pattern Play, Brian Cleary & Brian Gable
 Growing Patterns, Sarah Campbell
 The Napping House, Don & Audrey Wood
 The Mitten, Jan Brett
 Pattern Bugs, Trudy Harris
 Pattern Fish, Trudy Harris
 Patterns in Peru: An Adventure in Patterning, Cindy Neuschwander
 Pete The Cat, Eric Litwin
 The Rabbit Problem, Emily Graves

Numerosity & Number Sense

10 Black Dots, Donald Crews
 10 Little Penguins, Jean-Luc Fromental
 Anno's Counting Book, Mitsumasa Anno
 Anno's Counting House, Mitsumasa Anno
 Apple Countdown, Joan Holub
 The April Rabbits, David Cleveland
 Art 123, Stefano Zuffi
 The Button Box, Margarete Reid (sorting)
 Changes, Changes, Pat Hutchins (wordless picture book, building with blocks)
 Count and See, Tana Hoban
 Equal, Shmequal, Virginia Kroll (equality)
 Grandma's Button Box, Linda Williams Aber
 How Many Candies?, Helen Griffith
 How Many Feet in the Bed?, Diana Hamm (count by 2s)
 How Many Snails?, Paul Giganti
 In My Garden, Ward Schumaker
 Is It Larger, Is It Smaller, Tana Hoban

Little Quack's Hide and Seek, Lauren Thompson
 Icky Bug Counting Book, Jerry Pallotta
 In My Garden, Ward Schumaker
 The M&M's Counting Book, Barbara Barbieri McGrath
 Monster Math, Grace Maccarone (Hello Math)
 Monster Math, Ann Miranda
 More, Fewer, Less, Tana Hoban
 More or Less a Mess, Sheila Keenan (Hello Math) (sorting)
 More Than One, Miriam Schlein (concept of one...one pair, one week, one dozen)
 Nine Ducks Nine, Sarah Hayes
 Ocean Counting, Jerry Pallotta (odd numbers)
 One is a Snail Ten is a Crab April Pulley Sayre
 One, Two, Skip a Few!
 Pete the Cat and His Four Groovy Buttons, James Dean
 Press Here, Herve Tullet
 Quack and Count, Keith Baker
 Seaweed Soup, Stuart Murphy (matching sets)
 The Sundae Scoop, Stuart Murphy (combinations)
 Ten Black Dots, Donald Crews
 Ten Flashing Fireflies, Philemon Sturges
 Ten Little Elvi, Laura Henson (counting book for Elvis fans!)
 Ten Little Fish, Audrey Wood
 Two Greedy Bears, Mirra Ginsburg (maybe early division?)
 What Comes in 2's, 3's, & 4's, (Suzanne Aker)
 What's a Pair? What's a Dozen?, Stephen Swinburne (explores number words)

Number Operations

12 Ways to Get to 11, Eve Merriam
 Domino Addition, Lynette Long
 Fish Eyes, Lois Ehlert
 Pete the Cat and His Four Groovy Buttons, James Dean (subtracting from 4)
 Mouse Count, Ellen Stoll Walsh
 My Little Sister Ate One Hare, Bill Grossman
 Night Noises, Mem Fox (add up the relatives that visit)
 Rooster's Off to See the World, Eric Carle
 Splash!, Ann Jonas

Measurement

The 100-Pound Problem, Jennifer Dussling
 Actual Size, Steve Jenkins
 Balancing Act, Ellen Stoll Walsh
 Beanstalk: the Measure of a Giant, Ann McCallum
 The Biggest Fish, Sheila Keenan

Biggest, Strongest, Fastest, Steve Jenkins
 Counting on Frank, Rod Clement
 The Dragon's Scales Sarah Albee (weight)
 Equal Shmequal, Virginia Kroll
 Hottest, Coldest, Highest, Deepest, Steve Jenkins
 How Big is a Foot?, Rolf Myller
 How Big Is It?, Ben Hillman
 How Long Is It?, Donna Loughran
 How Long or How Wide?, Brian Cleary
 How Tall, How Short, How Faraway, David Adler
 If Dogs Were Dinosaurs, David Schwartz (Ratio/Proportion)
 If You Hopped Like a Frog, David Schwartz (Ratio/Proportion)
 Inch by Inch, Leo Lionni
 Inchworm and a Half, Elinor Pinczes
 Incredible Comparisons, Russell Ash (boys in my class love this book!)
 Is a Blue Whale the Biggest Thing There Is? Robert Wells
 Jim and the Beanstalk, Raymond Briggs
 Length, Henry Arthur
 The Librarian Who Measured the Earth, Kevin Hawkes
 Me and the Measure of Things, Joan Sweeney
 Measuring Penny, Loreen Leedy
 Millions to Measure, David Schwartz
 More For Me!, Sydnie Meltzer Kleinhenz (Hello Math)
 Pastry School in Paris: An Adventure in Capacity, Cindy Neuschwander
 Pezzettino, Leo Lionni (area)
 Pigs in the Pantry, Amy Axelrod
 Prehistoric Actual Size, Steve Jenkins
 Racing Around, Stuart J. Murphy
 Slower Than a Snail, Anne Schreiber (Hello Math)
 Spaghetti and Meatballs for All!, Marilyn Burns (area, perimeter)
 Super Sand Castle Saturday, Stuart Murphy
 Twelve Snails to One Lizard, Susan Hightower
 Twenty-One Elephants, Phil Bildner
 Twenty-One Elephants and Still Standing, April Jones Prince
 Weight, Henry Arthur
 What's Smaller Than a Pygmy Shrew?, Robert Wells
 Who Sank the Boat?, Pamela Allen

Spatial Sense/Geometry

All About Where, Tana Hoban
 The Amazing Book of Shapes: Explore Math Through Shapes and Patterns, Lydia Sharman
 Captain Invincible and the Space Shapes, Stuart J. Murphy
 Changes, Changes, Pat Hutchins (wordless picture book, building with blocks)
 Cubes, Cones, Cylinders, and Spheres, Tana Hoban

Eight Hands Round: A Patchwork Alphabet, Ann Whitford Paul (Quilts)
Grandfather Tang's Story, Ann Tompert
The Greedy Triangle, Marilyn Burns
Hamster Champs, Stuart Murphy (angles)
Icky Bug Shapes, Jerry Pallotta
If You Were a Polygon, Marcie Aboff
If You Were a Quadrilateral, Molly Blaisdell
The Incredibly Awesome Box, Joanne Rocklin (Hello Math Reader)
A Light in the Attic (poem, "Shapes"), Shel Silverstein
The Magic Mirror Book, Marion Walter
Magic Mirror Tricks, Marion Walter
Mouse Shapes, Ellen Stoll Walsh
Museum Shapes, Metropolitan Museum of Art
Mummy Math: An Adventure in Geometry, Cindy Neuschwander
The Seasons Sewn, Ann Whitford Paul (quilts)
The Secret Birthday Message, Eric Carle (directional terms)
Shapes, Shapes, Shapes, Tana Hoban
The Shape of Things, Dayle Dodds
The Silly Story of Goldie Locks and the Three Squares, Grace Maccarone (Hello Math)
So Many Circles, So Many Squares, Tana Hoban
I Spy Shapes in Art, Lucy Micklethwait
Square Cat, Elizabeth Schoonmaker
Three Pigs, One Wolf, and Seven Magic Shapes, Grace Maccarone
The Village of Round and Square Houses, Ann Grifalconi
When a Line Bends... A Shape Begins, Rhonda Greene
Zachary Zorner, Shape Transformer, Joanne Reisberg