

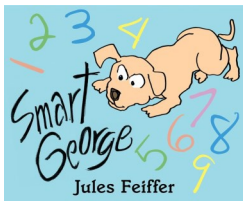
# Exploring Math with Picture Books



E Br

Brunetti, Ivan. **3 X 4 with Annemarie.**

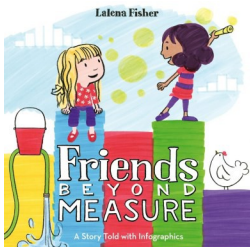
Annemarie and her classmates need to draw 12 things in different sets. Find out how they multiply items in different ways to make 12. (Multiplication, sets)



E Fe

Feiffer, Jules. **Smart George.**

George is a smart (and sassy) puppy, but he avoids doing math. When he has a dream about trees and cats, George realizes addition is so easy he can do it in his sleep. (Counting, addition)



E Fi

Fisher, Lalena. **Friends Beyond Measure.**

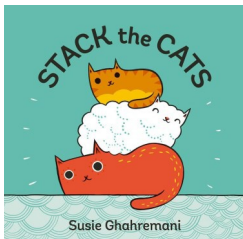
Ana and Harwin have built an amazing friendship and they have the data to prove it. Their friendship is put to the test when Harwin announces that she's moving far away. (Charts, graphs, diagrams)



E H Fr

Frates, Daniel. **A Shape Shifting Adventure in Hawai'i.**

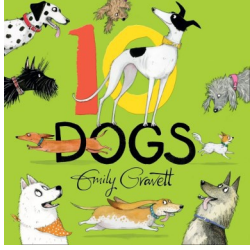
A line turns itself into a circle and-- through a series of encounters with Hawaiian plants and wildlife--changes shape as it travels around Hawai'i. (Shapes)



E Gh

Ghahremani, Susie. **Stack the Cats.**

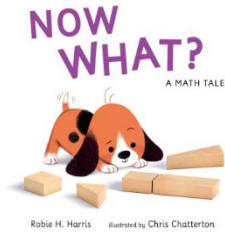
Count along with these adorable cats as they stack up. How many cats are there? How will they be stacked up? (Counting, grouping)



E Gr

Gravett, Emily. **10 Dogs.**

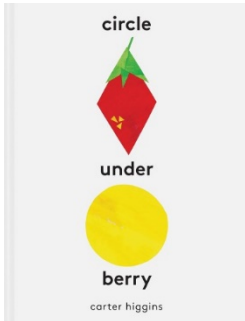
Chaos ensues when ten hungry dogs meet ten delicious sausages. Count to ten and learn different concepts along the way. (Counting, addition)



E Ha

Harris, Robie H. **Now What?**

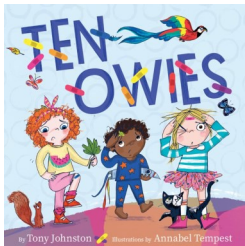
Follow along as Puppy tries again and again and finally figures out how blocks of different shapes and sizes can fit together to build a bed that's just the right size for a snooze. (Shapes, basic geometry)



E Hi

Higgins, Carter. **Circle Under Berry.**

Challenge your perception of shape, pattern, and color with vibrantly puzzling images and rhythmic text. (Shapes, patterns)



E Jo

Johnston, Tony. **Ten Owies.**

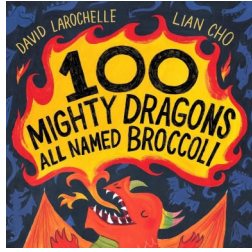
One by one, ten children experience different bumps, scrapes, and bruises, adding up to a grand total of ten owies. Luckily for the kids, their parents know just what to do. (Counting)



E La

LaRocca, Rajani. **Seven Golden Rings.**

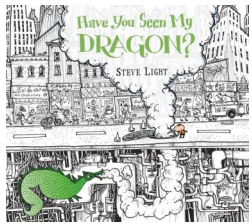
In ancient India, a young man encounters a mathematical and financial conundrum as he tries to make his money last while awaiting an audience with the king. (Arithmetic, binary numbers)



E La

LaRochelle, David. **100 Mighty Dragons All Named Broccoli.**

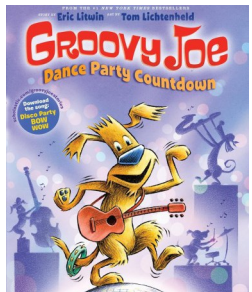
100 mighty dragons—all named Broccoli—leave and return in different groupings and in different, silly ways. How many dragons will be left by the end? (Subtraction, addition)



E Li

Light, Steve. **Have You Seen My Dragon?**

A child looks for his dragon all over town, encountering different numbers of objects along the way. (Counting)



E Li

Litwin, Eric. **Dance Party Countdown.**

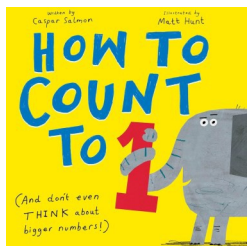
Groovy Joe is a guitar loving dog whose party gets bigger and bigger as more and more dogs come to jam. But for Groovy Joe, there's always room for more! (Addition)



E Mi

Miranda, Anne. **Tangled: A Story About Shapes.**

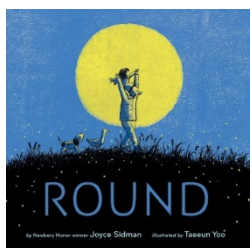
When Circle gets stuck in the jungle gym, some other shapes also get tangled up after they try to help her out. Can the remaining shapes get everyone untangled? (Shapes)



E Sa

Salmon, Caspar. **How to Count to One: (And Don't Even THINK About Bigger Numbers!)**

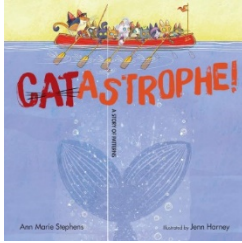
This book insists that it will only teach you to count to one. However, readers might find it difficult not to count far beyond. (Counting)



E Si

Sidman, Joyce. **Round.**

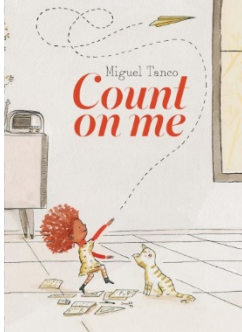
A child notices many round things all around her and thinks about all the things that roundness can signify. (Shapes, Solid Geometry)



E St

Stephens, Ann Marie. **CATastrophe!: A Story of Patterns.**

Kitties on a fishing trip attempt to avoid catastrophe by following patterns. (Patterns)



E Ta

Tanco, Miguel. **Count on Me.**

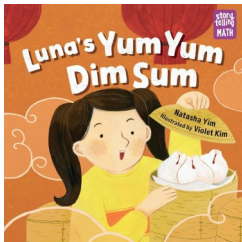
A young girl acknowledges that people have different passions and ways through which they see the world, including art, science and music. Her passion happens to be math! (Geometry, fractals, sorting)



E Va

Văn, Mui Thi. **One is a Lot (Except When It's Not).**

A visit to the park reveals that a very small number of certain things can be too much, not enough, or just right. (Quantity)



E Yi

Yin, Natasha. **Luna's Yum Yum Dim Sum.**

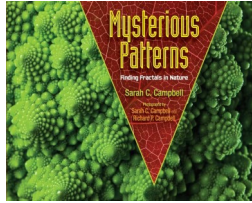
When Luna tragically drops one of six char siu bao, can she find a way to share the remaining five equally with her two brothers? (Division, fractions)



J 510.2 Fi

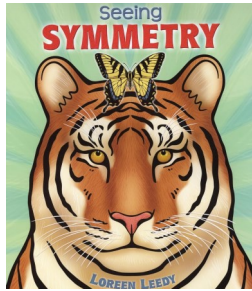
Fishman, Seth. **A Hundred Billion Trillion Stars.**

How many stars are there in the universe? More than you can imagine! There are (maybe) a hundred billion trillion stars out there in the universe! (Numbers)



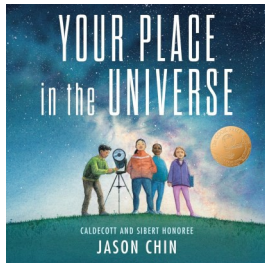
J 514.742 Ca

Campbell, Sarah C. **Mysterious Patterns: Finding Fractals in Nature.** With examples from nature ranging from broccoli, branches, and bolts of lightning, this book introduces the repeating patterns of fractals. (Fractals, patterns, shapes)



J 516.1 Le

Leedy, Loreen. **Seeing Symmetry.** There's symmetry everywhere: in plants, animals, vehicles, snowflakes. Once you know what it is, you'll see symmetry everywhere. (Symmetry)



J 530.8 Ch

Chin, Jason. **Your Place in the Universe.** Find out how you size up in comparison to a book, a giraffe, or the entire universe. Though we may be tiny when it comes to the cosmos, we are far from insignificant. (Measurement, proportion, distance)

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Compiled by Ikaika Keliiliki  
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