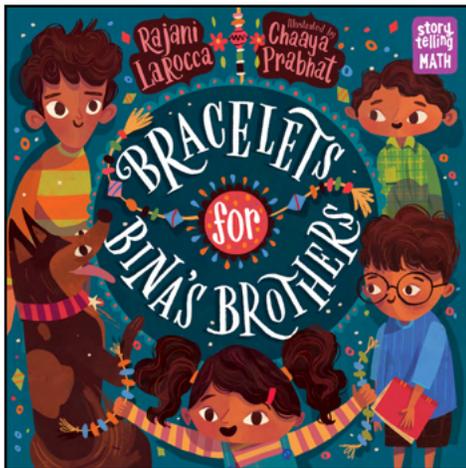


Storytelling Math celebrates children using math in their daily adventures as they play, build, and discover the world around them. Joyful stories and hands-on activities make it easy for kids and their grown-ups to explore everyday math together.

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# BRACELETS for BINA'S BROTHERS

Math activities by Marlene Kliman, TERC



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## About the Book

Bina wants to give her brothers bracelets with special patterns for the Raksha Bandhan holiday. She wants to make them all by herself, but it's harder than she thought. Can Bina figure it out on her own?

## About the Math

Bina makes a special bracelet for each of her brothers. She recognizes that although the colors differ, each bracelet has an "every-other-one" (alternating) pattern. Children who can create, describe, and compare patterns do better in math.

As children explore patterns, encourage them to compare and contrast. "How are these patterns alike? How are they different?" Ask them to explain how they can tell if something is a pattern.

*Bethany Rittle-Johnson  
Professor and Anita S. and Antonio M. Gotto Chair in Child Development,  
Vanderbilt University*

## About the Author

Rajani LaRocca is the author of *Seven Golden Rings: A Tale of Music and Math*. She was born in India, raised in Kentucky, and now lives in the Boston area. [www.rajaniarocca.com](http://www.rajaniarocca.com)

## About the Illustrator

Chaaya Prabhat is a graphic designer, illustrator, and lettering artist. She lives and works in Chennai, India. [www.chaayaprabhat.com](http://www.chaayaprabhat.com)



## Math Activities

Explore patterns with these activities!

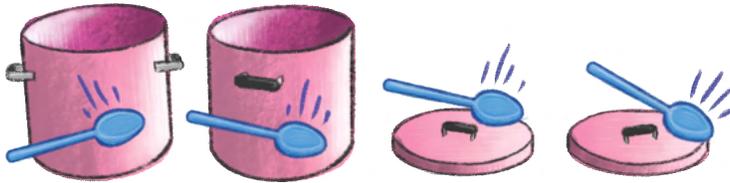
### Share the Pattern

Choose three words to repeat, such as "yummy purple slime." Then take turns saying the words "yummy," "purple," "slime," "yummy," "purple," "slime," and so on. Keep going for a few rounds. Then ask, "How did you know what word to say when it was your turn?"



### Double the Pattern

Come up with a two-part sound pattern (tap a kitchen pot, tap a pot lid). Everyone repeats the pattern a few times. Then double it (pot, pot, lid, lid). Try doubling it again! Or try this with an action pattern (clap, jump).



### Make My Pattern

One person secretly draws a pattern and then describes it aloud. "Two purple dots, a yellow dot—repeat." The others try to draw the pattern from the description. Compare what each person drew. Take turns secretly drawing and describing patterns.

