

# Make

# Mathematics

# Count GA!

# 1st Grade

# Parent Support Guide



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The ***Make Mathematics Count, Georgia!*** outreach campaign is an exciting project from the Georgia Department of Education to support parents with understanding the expectations of teaching and learning in mathematics. This project includes parent videos and support guides to educate and empower parents in the state of Georgia as they support the implementation of Georgia's K-12 Mathematics Standards. The videos explain the expectations for mathematics learning through the lens of evidence-based practices and standards-based pedagogy. Mathematics educators and parents worked collaboratively to develop the videos and parent support guides provided for each grade level.

# 1ST GRADE MATHEMATICS CONCEPTS

- Represent and solve problems involving addition and subtraction in context (within 20 using strategies and properties and within 100 using base ten understanding).
- Explore and understand addition strategies like counting on, doubles, and making a ten to solve problems.
- Develop an understanding of whole number relationships and place value, including grouping in tens and ones and comparing 2 two-digit numbers, based on meaning of the tens and ones digits.
- Develop an understanding of linear measurement and measuring lengths as iterating length units.
- Reason about shape attributes and partition circles and rectangles into halves and fourths.
- Compose and decompose geometric shapes.
- Organize, represent, and interpret data up to 3 categories.

## HELPFUL RESOURCES FOR 1ST GRADE PARENTS

- [Open Middle](#) - This resource offers a variety of challenges that stretch the student's thinking and encourages them to use what they know about math concepts in order to solve a puzzle. These activities can be printed or even copied down on another sheet of paper and will push the thinking of all members of your family, requiring multiple attempts each time. If you hover your mouse over the intended grade level, you will see problems aligned to multiple domains allowing you to build connections all year.
- [K-2 Estimation Tasks](#) - This resource provides 40 different visuals to foster conversation of measurement, numeracy, and estimation. Allow students to estimate the answer to the intended question and then challenge them to explain their thinking. This will help them to justify the reasonableness of their estimate and become more precise as they progress.
- [Which One Doesn't Belong](#) - This resource encourages students to think flexibly about four choices and make a decision of which one does not belong in a group with the other three. The real challenge is to justify four different situations in which each option would not belong. The shape puzzles offer many scenarios to spark a conversation, as well as the number puzzles also, just be mindful to not select puzzles that exceed around 120 in an effort to align with the 1st grade standards.
- [Steve Wyborney's Splat!](#) - This resource will provide you with PowerPoint or Google Slide images that encourage conversations about problem solving with all operations by experimenting with unknowns. Encourage conversation with your students by asking them questions such as "How many shapes are covered? How do you know?" Also, check out [Esti-Mysteries](#) and [Estimation Clipboard](#).

MOVING PARENTS FROM CONSUMERS  
IN EDUCATION TO PARTNERS IN  
EDUCATION

