

# Make

# Mathematics

# Count GA!

# 5th 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.

# 5TH GRADE MATHEMATICS CONCEPTS

- Understand place value with whole numbers and decimals.
- Develop fluency with addition and subtraction of fractions, and develop an understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions).
- Extend division to 2-digit divisors, integrate decimal fractions into the place value system and develop understanding of operations with decimals to hundredths, and develop fluency with whole number and decimal operation.
- Develop an understanding of volume concepts and relate volume to multiplication and to addition.
- Graph points on the coordinate plane to solve real-world and mathematical problems.
- Use spatial reasoning to analyze and classify two-dimensional figures into categories based on their properties.
- Reason and interpret data.

## HELPFUL RESOURCES FOR 5TH GRADE PARENTS

- [Would You Rather](#) - This resource provides the user with two scenarios and the challenge is to weigh which option you would rather select. Students will have to rely on their math understanding to argue for the side they feel is the best choice. This will create a powerful conversation between all involved, will encourage the students to respectfully critique the thinking of others, and will encourage students to make tough decisions based on their mathematical understanding.
- [SolveMe Puzzles](#) - This resource provides students with three different puzzles. In the SolveMe Mobiles, students will work to balance a mobile by solving for unknowns which will require them to rely on their understanding of addition strategies. In the SolveMe Who Am I? puzzles, students will use clues and their number knowledge to solve for the mystery number. Finally, in the SolveMe MysteryGrids, students begin by solving sudoku style problems that require students to use their spatial problem solving skills and then add the more challenging component of requiring students to not only ensure the numbers are not repeated in rows or columns, but also place sums in specific places.
- [Let's Learn GA!](#) is a series of video lessons for grades K-5 taught by Georgia teachers and aligned to the Georgia Standards of Excellence.

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MOVING PARENTS FROM CONSUMERS  
IN EDUCATION TO PARTNERS IN  
EDUCATION

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