

Make

Mathematics

Count GA!

4th 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.

4TH GRADE MATHEMATICS CONCEPTS

- Use the four operations with whole numbers to solve problems, including problems involving number and shape patterns, analyze solutions, and gain familiarity with factors and multiples.
- Develop an understanding of and fluency with multi-digit multiplication, and develop an understanding of dividing to find quotients involving multi-digit dividends, generalize place value understanding to multi-digit whole numbers.
- Develop an understanding of fraction equivalence, addition, and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers.
- Develop an understanding of decimal notation of fractions, and compare decimal fractions.
- Use spatial reasoning to analyze and classify geometric figures based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry.
- Measure, estimate, and perform operations involving measurement in standard units.
- Represent and interpret data presented on line plots.
- Solve problems involving area and perimeter of rectangles.

HELPFUL RESOURCES FOR 4TH 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. 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.
- [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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