

6th 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 the Georgia's K-12 Mathematics Standards. The videos explain the expectation 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.



6TH GRADE MATHEMATICS CONCEPTS

- Develop an understanding of rational and irrational numbers to fluently compute operations with such numbers.
- Gain a deeper understanding of proportional reasoning by representing ratios in various forms to solve ratio and rate problems.
- Use properties of mathematical models to generate equivalent expressions. These expressions will include exponents and variables. Sixth graders will also translate verbal phrases into algebraic expressions.
- Begin solving equations and inequalities using several different models. They will also learn to interpret solutions.
- Build on their understanding of area and volume to develop the concept of surface area.
- Develop an understanding of statistical thinking by studying measures of center and variability
- Gain a deeper understanding or rational numbers as a point on the number line. Sixth graders will order rational numbers including absolute values. They will also begin plotting coordinates in all four quadrants.

HELPFUL RESOURCES FOR 6TH GRADE PARENTS

- <u>Illustrative Mathematics Open Up Resources Family Materials</u> Use this resource to discover the big ideas about concepts taught in the 6th grade. Each concept has a sample task that you can try with your child as well as solutions to check your child's work.
- <u>Talking Math With Your Kids</u> Use this resource to promote rich mathematical conversations with your child. This website collects research about, and examples of, math talk with children. Each post offers suggestions for adapting the examples for your own children, interests, and lives.
- <u>Youcubed Parent Resources</u> Use this resource as a guide that you can take as parents to increase your child's math achievement and make math fun!

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MOVING PARENTS FROM CONSUMERS IN EDUCATION TO PARTNERS IN EDUCATION



