

Parent Guide to Student Success

Rutherford County Schools is committed to providing high quality instruction anchored in the [Tennessee State Standards](#) using state adopted and board approved curriculum resources.

What to Expect in 6th Grade Mathematics

In 6th grade, students are introduced to several new concepts while building on what they know about numbers and operations from previous grades. Students use their understandings of multiplication, division and fractions to learn about ratios and rates. Negative numbers are presented for the first time in sixth grade. Formal work with algebraic expressions and equations begins in 6th grade as students use variables to represent relationships.



A Sample of What Your Child Will Be Working On

- Building fluency with fraction and decimal operations.
- Using understanding of multiplication and division to solve problems involving ratios and rates.
- Understanding negative numbers, including their locations on a number line and coordinate plane, and absolute value of rational numbers.
- Plotting points in four quadrants of the coordinate plane.
- Writing and solving problems that use variables to represent numbers.
- Solving problems involving area and volume.
- Summarizing and describing sets of data in line plots, box plots, pie charts and stem plots.



What is fluency?

In mathematics, fluency is the ability to recall quickly. It all comes down to comprehension and strategies.

Students will learn strategies that allow them to confidently take math skills into their everyday life.

Ask your student's teacher what strategies they will be learning and using in 6th grade!



Resources:

[TN State Standards](#) |



Conversation Starters

With Students

- Tell me how you solved a problem in math class today. What strategies or models did you use?
- Productive struggle is an important part of learning math. What can you do when you encounter a challenge in math class?
- What goals do you have for your math class? How can I help?
- What is your favorite thing about math class? Why?

If your student does not feel confident in math, reach out to the teacher for ways to help. *Every student* has the ability to be brilliant in math and we are here to help.

With Teachers

- Is my child meeting the expectations of this class? How can I keep track of their progress?
- What can we do at home to support what you are doing in class?
- Feel like **you** need a math lesson? Ask about resources for you to use while supporting your child.