

Sixth Grade Mathematics

Course Overview

Sixth grade students will learn the following topics within each domain:

Content Area

Mathematics

Ratios and Proportionality: Understand ratio concepts and use ratio reasoning to solve problems.

Grade

6th Grade

The Number System: Apply and extend previous understandings of multiplication and division to divide fractions, compute fluently with multi-digit numbers and find common factors and multiples, apply and extend previous understandings of numbers to the system of rational numbers.

System

McMinn County Schools

Expressions and Equations: Apply and extend previous understandings of arithmetic to algebraic expressions, reason about and solve one-variable equations and inequalities, and represent and analyze quantitative relationships between dependent and independent variables.

Geometry: Solve real-world and mathematical problems involving area, surface area, and volume.

Statistics and Probability: Develop understanding of statistical variability, summarize and describe distributions.

Textbook

Go Math, McGraw-Hill Education

ISBN: 978-0-544-06571-0

Resources

The *Go Math* Textbook will be primarily used within the classroom. The *Go Math* series correlates with the resources available online through my.hrw.com via each student's login.

Course Schedule

First Nine Weeks: Unit 1- Numbers, Unit 2- Number Operations

Second Nine Weeks: Unit 3- Proportionality: Ratios and Rates, Unit 4- Equivalent Expressions

Third Nine Weeks: Unit 5- Equations and Inequalities, Unit 6- Relationships in Geometry

Fourth Nine Weeks: Unit 7- Measurement and Data, Preparing for State Summative Tests

Additional Information: Field trips, guest speakers, and major projects will be determined throughout the school year.

Mathematics Standards:

http://www.tennessee.gov/assets/entities/education/attachments/std_math_gr_1.pdf