

5th Grade Math Curriculum Overview

The primary emphasis in Grade 5 instruction centers on three key domains. The first domain focuses on building fluency with adding and subtracting fractions, while also building conceptual understanding of multiplying fractions and limited cases of dividing fractions (such as unit fractions divided by whole numbers or whole numbers divided by unit fractions). The second domain focuses on expanding division skills to include divisors with two digits, incorporating decimal fractions into the place value system, developing understanding of operations with decimals to the hundredths place, and increasing fluency in operations involving whole numbers and decimals. The final domain is developing understanding of volume through conceptual models.

The course uses the 2019 Big Ideas Math series. Each child has an online student edition, with additional resources for parents and students to access anytime. These resources include video tutorials, test practice, a glossary with audio, progress checks, vocabulary help, manipulative visual aids, skill reviews, and a game closet to reinforce skills. The resources and online student edition can be accessed at www.bigideasmath.com.

Skills to be developed throughout the course:

Standards for Mathematical Practice

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

Units of Study:

- Place Value (Whole Numbers)
- Multiplication
- Division
- Fraction Operations (+, -, x, ÷)
- Place Value Decimals
- Decimal Operations (+, -, x, ÷)
- Numerical Expressions
- Convert Units of Measure
- Coordinate Plane
- Volume
- Two-Dimensional Shapes

The Learning Standards for this course are the Common Core State Standards in Mathematics. Priority standards are linked below:

- [Standards](#)