

Math Highlights

Grade 6 Math

What your Middle School Student will learn . . .

Students will learn through a research-based balanced instructional approach that includes both discovery learning and direct instruction in the following units:

- Ratios and Proportional Relationships
- The Number System
- Expressions and Equations
- Geometry
- Statistics and Probability

Your Middle School Student will continue to develop the Standards for Mathematical Practice . . .

- Makes 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

What your Middle School Student will do . . .

- Understand ratio concepts
- Use ratio reasoning
- Perform fraction and decimal operations
- Understand rational numbers
- Write, interpret, and use expressions, equations, and inequalities
- Solve problems involving area, surface area, and volume
- Summarize and describe distributions
- Understand variability

What families will see . . .

- Children practicing and reviewing their math skills and concepts
- New math vocabulary
- Emphasis on collaboration and cooperation as a community of learners
- Children using the Big Ideas Math online resource available anywhere, anytime, and on almost any device with an internet connection

How families can help . . .

- Encourage your child to share their math learning and math assignments
- Discuss with your child how successful he/she feels
- Log-in with your child to the Big Ideas Math site at www.bigideasmath.com for math practice and support
- Keep open communication with your child's teachers