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# Grade 6

- 1. Understand ratio concepts and use ratio reasoning to solve problems.**
- 2. Develop understanding of statistical variability.**
- 3. Reason about and solve one-variable equations and inequalities.**
- 4. Solve real-world and mathematical problems involving area, surface area, and volume.**
- 5. Apply and extend previous understandings of numbers to the system of rational numbers.**

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# Grade 7

- 1. Analyze proportional relationships and use them to solve real-world and mathematical problems.**
- 2. Draw, construct and describe geometrical figures and describe the relationships between them.**
- 3. Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.**
- 4. Use random sampling to draw inferences about a population.**
- 5. Use properties of operations to generate equivalent expressions.**

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# Grade 8

- 1. Work with radicals and integer exponents.**
- 2. Solve real-world and mathematical problems involving volume of cylinders, cones and spheres.**
- 3. Define, evaluate, and compare functions.**
- 4. Investigate patterns of association in bivariate data.**
- 5. Understand and apply the Pythagorean Theorem.**