Eighth Grade | Mathematics Common Core State Standards

The Number System

1. Know that there are numbers that are not rational, and approximate them by rational numbers.
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Expressions & Equations

2. Expressions and equations work with radicals and integer exponents.

3. Understand the connections between proportional relationships, lines, and linear equations.

4. Analyze and solve linear equations and pairs of simultaneous linear equations.

Functions

5. Define, evaluate, and compare functions.

6. Use functions to model relationships between quantities.

Geometry

7. Understand congruence and similarity using physical models, transparencies, or geometry software.

8. Understand and apply the Pythagorean Theorem.

9. Solves real-world and mathematical problems involving volume of cylinders, cones and spheres.

Statistics & Probability

10. Investigate patterns of association in bivariate data.