

GRADE 7

CRITICAL AREAS OF FOCUS

1. Developing understanding of and applying proportional relationships
2. Developing understanding of operations with rational numbers and working with expressions and linear equations
3. Solving problems involving scale drawings and information geometric constructions, angles, and working with two- and three-dimensional shapes to solve problems involving area, surface area and volume
4. Drawing inferences about populations based on samples

OVERVIEW

Ratio and Proportional Relationships

- Analyze proportional relationships and use them to solve real-world and mathematical problems.

The Number System

- Apply and extend previous understanding of operations with fractions to add, subtract, multiply, and divide rational numbers.
- Use properties of operations to generate equivalent expressions.
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

Geometry

- Draw, construct and describe geometrical figures and describe the relationships between them.
- Solve real-life and mathematical problems involving angle measure, circles, area, surface area, and volume.

Statistics and Probability

- Use sampling to draw conclusions about a population.
- Broaden understanding of statistical problem solving.
- Summarize and describe distributions representing one population and draw informal comparisons about two populations.
- Investigate chance processes and develop, use, and evaluate probability models.

