

CCSS 7 Scope and Sequence

(Lesson numbers are included as a guide)

Pre-Unit: Expressions and Equations

- Expressions containing positive integers (5-1)
- Properties of operations, integrate when necessary (5-3)
- Simplifying algebraic expressions (5-5)
- Solving one step positive equations (6-1, 6-2)
- Solving two positive equations (6-4)

Unit 1: Ratios and Proportional Relationships

A. Rates/Unit Rates

- Rates (1-1)
- Complex fractions (1-2)
- Proportional and nonproportional relationships (1-4)

B. Proportionality

- Graph proportional relationships (1-5)
- Solve proportional relationships (1-6)
- Constant rate of change (1-7)

C. Percents

- Percent of a number (2-1)
- Percent and estimations (optional, 2-2)
- Percent proportion (2-3)
- Percent equation (2-4)
- Percent of change (2-5)
- Sales tax, tips, and markups (2-6)
- Discount (2-7)
- Simple Interest (2-8)

Trimester 1 Common Assessment on Unit 1

Unit 2: The Number System

A. Integers

- Absolute value (3-1)
- Add, subtract, multiply, and divide integers (3-2, 3-3, 3-4, 3-5)
- Dividing with zero

B. Rational Numbers

- Terminating and repeating decimals (4-1)
- Compare and order rational numbers (4-2)
- Add, subtract, multiply, and divide rational numbers (4-3, 4-4, 4-5, 4-6, 4-8)

Trimester 2 Common Assessment on Unit 2

Unit 3: Expressions and Equations

A. Expressions

- Algebraic expression (5-1)
- Properties of operations (5-3)
- Distributive property (5-4)
- Simplifying algebraic expressions (5-5)
- Add and subtract linear expression (5-6, 5-7)

B. Equations

- Solve one step addition, subtraction, multiplication, and division equations (6-1, 6-2, 6-3)
- Solve two step equations (6-4, 6-5)

C. Inequalities

- Solve one step inequalities (6-6, 6-7)
- Solve two step inequalities (6-8)

Unit 4: Geometry

A. Geometric Figures

- Classify angles (7-1)
- Complementary and supplementary angles (7-2)
- Triangles (7-3)
- Scale drawings (7-4)
- Draw three-dimensional figures (7-5)
- Cross sections (7-6)

B. Measure Figures

- Circumference (8-1)
- Area of circles (8-2)
- Area of composite figures (8-3)
- Volume of rectangular and triangular prisms (8-4)
- Volume of pyramids (8-5)
- Surface area of rectangular and triangular prisms (8-6)
- Surface area of pyramids (8-7)
- Volume and surface area of composite figures (8-8)

Unit 5: Statistics and Probability

A. Probability

- Probability of simple events (9-1)
- Theoretical and experimental probability (9-2)
- Probability of compound events (9-3)
- Simulations (9-4)

B. Statistics

- Make predictions (10-1)
- Biased and unbiased samples (10-2)
- Compared populations (10-4)

Trimester 3 Common Assessment on Units 3, 4, and 5