Jennifer Walls 2025-2026

6th Grade Math Syllabus

CASE TEST 1:SEPTEMBER 22-26

UNIT 1:EXPRESSIONS AND EQUATIONS:AREA, ALGEBRAIC EXPRESSIONS, AND EXPONENTS

Lesson 1:Find the Area of a Parallelogram
Lesson 2: Find the Area of Triangles and Other Polygons
Lesson 3: Use Nets to Find Surface Area
Lesson 4: Work with Algebraic Expressions
Lesson 5: Write and Evaluate Expressions with Exponents
Lesson 6: Find Greatest Common Factor and Least Common Multiple

UNIT 2:DECIMALS AND FRACTIONS:BASE-TEN OPERATIONS, DIVISION WITH FRACTIONS, AND VOLUME

Lesson 7:Add, Subtract, and Multiply Multi-Digit Decimals
Lesson 8:Divide Whole Numbers and Multi-Digit Decimals
Lesson 9:Understand Division with Fractions
Lesson10:Divide Fractions
Lesson 11:Solve Volume Problems with Fractions

CASE TEST 2:JANUARY 13-23

UNIT 3:RATIO REASONING:RATIO CONCEPTS AND EQUIVALENT RATIOS

Lesson 12:Understand Ratio Concepts
Lesson 13:Find Equivalent Ratios
Lesson 14:Use Part-to-Part and Part-to-Whole Ratios

UNIT 4:RATIO REASONING:UNIT RATES AND PERCENT

Lesson 15:Understand Rate Concepts
Lesson 16:Use Unit Rates to Solve Problems
Lesson 17:Understand Percents
Lesson 18:Use Percents to Solve Problems

UNIT 5:ALGEBRAIC THINKING:EQUIVALENT EXPRESSIONS AND EQUATIONS WITH VARIABLES

Lesson 19:Write and Identify Equivalent Expressions
Lesson 20:Understand Solutions of Equations
Lesson 21:Write and Solve One-Variable Subtraction and Division Equations
Lesson 22:Analyze Two-Variable Relationships

CASE TEST 3:MARCH 16-2

UNIT 6:POSITIVE AND NEGATIVE NUMBERS:ABSOLUTE VALUE, INEQUALITIES, AND THE COORDINATE PLANE

Lesson 23:Understand Positive and Negative Numbers
Lesson 24:Order Positive and Negative Numbers
Lesson 25:Understand Absolute Value
Lesson 26:Write and Graph One Variable Equations
Lesson 27:Understand the Four-Quadrant Coordinate Plane
Lesson 28:Solve Problems in the Coordinate Plane

UNIT 7:STATISTICAL THINKING:DATA DISTRIBUTIONS AND MEASURES OF CENTER AND VARIABILITY

Lesson 29:Understand Statistical Questions and Data Distributions
Lesson 30:Use Dot Plots and Historgrams to Describe Data Distributions
Lesson 31:Interpret Median and Interquartile Range in Box Plots
Lesson 32:Interpret Mean
Lesson 33:Use Measures of Center and Variability to Summarize Date