



Curriculum Map

Unit 1

Algebraic Expressions and Integers

- 1-1 Place Value
- 1-2 Variables and Expressions
- 1-3 The Order of Operations
- 1-4 Writing and Evaluating Expressions
- 1-5 Integers and Absolute Value
- 1-6 Adding Integers
- 1-7 Subtracting Integers
- 1-8 Problem Solving: Rounding and Estimating
- 1-9 Inductive Reasoning
- 1-10 Patterns
- 1-11 Multiplying and Dividing Integers
- 1-12 The Coordinate Plane



Unit 2

Solving One-Step Equations and Inequalities

- 2-1 Properties of Numbers
- 2-2 The Distributive Property
- 2-3 Simplifying Variable Expressions
- 2-4 Variables and Equations
- 2-5 Solving Equations by Adding or Subtracting
- 2-6 Solving Equations by Multiplying or Dividing
- 2-7 Guess, Check, and Revise
- 2-8 Inequalities and Their Graphs
- 2-9 Solving One-Step Inequalities by Adding or Subtracting
- 2-10 Solving One-Step Inequalities by Multiplying or Dividing

Unit 3

Decimals and Equations

- 3-1 Rounding and Estimating
- 3-2 Estimating Decimal Products and Quotients
- 3-3 Mean, Median, and Mode
- 3-4 Using Formulas
- 3-5 Solving Equations by Adding or Subtracting Decimals
- 3-6 Solving Equations by Multiplying or Dividing Decimals
- 3-7 Using the Metric System



Unit 4

Factors, Fractions, And Exponents

- 4-1 Divisibility and Factors
- 4-2 Exponents
- 4-3 Prime Factorization and Greatest Common Factor
- 4-4 Simplifying Fractions
- 4-5 Rational Numbers
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- 4-9 Scientific Notation
- 4-10 Cube Roots

Unit 5

Operations with Fractions

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- 5-5 Using Customary Units of Measurements
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Unit 6

Ratios, Proportions, and Percentages

- 6-1 Ratios and Unit Rates
- 6-2 Proportions
- 6-3 Similar Figures and Scale Drawings
- 6-4 Probability
- 6-5 Fractions, Decimals, and Percentages
- 6-6 Proportions and Percentages
- 6-7 Percentages and Equations
- 6-8 Percent of Change
- 6-9 Markup and Discount
- 6-10 Tables

Unit 7

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- 7-1 Solving Two-Step Equations
- 7-2 Solving Multi-Step Equations
- 7-3 Multi-Step Equations with Fractions and Decimals
- 7-4 Write an Equation
- 7-5 Solving Equations with Variables on Both Sides
- 7-6 Solving Two-Step Inequalities
- 7-7 Transforming Formulas



7-8 Simple and Compound Interest

Unit 8

Linear Functions and Graphing

- 8-1 Relations and Functions
- 8-2 Equations with Two Variables
- 8-3 Slope and y-intercept
- 8-4 Writing Rules for Linear Functions
- 8-5 Scatter Plots
- 8-6 Solving Systems of Linear Equations by Graphing
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Spatial Thinking

- 9-1 Introduction to Geometry: Points, Lines, and Planes
- 9-2 Angle Relationships and Parallel Lines
- 9-3 Classifying Polygons
- 9-4 Draw a Diagram
- 9-5 Congruence
- 9-6 Circles
- 9-7 Constructions
- 9-8 Translations
- 9-9 Symmetry and Rotations



9-10 Rotations

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Area and Volume

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10-2 Area of Triangles and Trapezoids

10-3 Area of Circles

10-4 Space Figures

10-5 Surface Area of Prisms and Cylinders

10-6 Surface Area of Pyramids, Cones, and Spheres

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10-8 Volume of Pyramids, Cones, and Spheres

Unit 11

Right Triangles in Algebra

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11-2 The Pythagorean Theorem

11-3 Distance and Midpoint Formulas

11-4 Write a Proportion

11-5 Special Right Triangles

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Unit 12

Data Analysis and Probability

- 12-1 Frequency Tables, Line Plots, and Histograms
- 12-2 Box-and-Whisker Plots
- 12-3 Stem and Leaf Plots
- 12-4 Counting Outcomes and Theoretical Probability
- 12-5 Independent and Dependent Events
- 12-6 Permutations and Combinations
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Unit 13

Nonlinear Functions and Polynomials

- 13-1 Patterns and Sequences
- 13-2 Graphing Nonlinear Functions
- 13-3 Exponential Growth and Decay
- 13-4 Polynomials
- 13-5 Adding and Subtracting Polynomials
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