

PACING GUIDE

MATH 6 ACCELERATED

Numerical Expressions and

Factors

10 days

- Powers and Exponents
- Order of Operations
- Properties of Operations
- Prime Factorization
- Greatest Common Factor
- Least Common Multiple

Factors and Decimals

13 days

- Adding and Subtracting Fractions
- Multiplying Fractions
- Dividing Fractions
- Dividing Mixed Numbers
- Adding and Subtracting Decimals
- Multiplying Decimals
- Dividing Decimals

Integers, Number Lines, and the Coordinate Plane

13 days

- Integers
- Comparing and Ordering Integers
- Rational Numbers
- Absolute Value
- The Coordinate Plane
- Polygons in the Coordinate Plane

Operations with Integers

10 days

- Adding Integers
- Subtracting Integers
- Multiplying Integers
- Dividing Integers
- Using Integer Operations

Operations with Rational Numbers

11 days

- Adding Rational Numbers
- Subtracting Rational Numbers
- Multiplying Rational Numbers
- Dividing Rational Numbers
- Using Rational Number Operations

Algebraic Expressions and Properties

10 days

- Algebraic Expressions
- Writing Expressions
- Adding and Subtracting Linear Expressions
- Writing Equivalent Expressions
- Factoring Expressions

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Equations and Inequalities

16 days

- Writing Equations in One Variable
- Finding Unknown Values in Equations
- Solving Equations Using Addition or Subtraction
- Solving Equations Using Multiplication or Division
- Writing and Graphing Inequalities
- Solving Inequalities Using Addition or Subtraction
- Solving Inequalities Using Multiplication or Division

Ratios and Rates

13 days

- Ratios
- Using Tape Diagrams
- Using Ratio Tables
- Rates and Unit Rates
- Solving Proportions
- Converting Measures within Systems

Percents

14 days

- Percents and Fractions
- Percents and Decimals
- Comparing and Ordering Fractions, Decimals, and Percents
- The Percent Proportion
- The Percent Equation
- Percents of Increase and Decrease
- Discounts and Markups
- Simple Interest

Area, Surface Area, and Volume

18 days

- Areas of Triangles
- Areas of Quadrilaterals and Composite Figures
- Areas of Parallelograms
- Area of Trapezoids and Other Polygons
- Three-Dimensional Figures
- Surface Areas of Rectangular Prisms
- Surface Areas of Rectangular Pyramids
- Volumes of Rectangular Prisms

Statistical Measures and Data Displays

17 days

- Introduction to Statistics
- Mean
- Measures of Center
- Measures of Variation
- Histograms
- Shapes of Distributions
- Box-and-Whisker Plots
- Choosing Appropriate Measures

Probability and Populations

11 days

- Probability
- Experimental and Theoretical Probability
- Samples and Populations
- Comparing Populations

Pacing subject to change