

## Big Ideas Math 7<sup>th</sup> Grade

1.1 [Integers and Absolute Value](#)

1.2 [Adding Integers](#)

1.3 [Subtracting Integers](#)

1.4 [Multiplying Integers](#)

1.5 [Dividing Integers](#)

1.6 [The Coordinate Plane](#)

2.1 [Rational Numbers](#)

2.2 [Adding and Subtracting Rational Numbers](#)

2.3 [Multiplying and Dividing Rational Numbers](#)

2.4 [Solving Equations Using Addition or Subtractions](#)

2.5 [Solving Equations Using Multiplication or Division](#)

2.6 [Solving Two-Step Equations](#)

3.1 [Ratios and Rates](#)

3.2 [Slope](#)

3.3 [Proportions](#)

3.4 [Writing Proportions](#)

3.5 [Solving Proportions](#)

3.6 [Converting Measures Between Systems](#)

3.7 [Direct Variations](#)

3.8 [Inverse Variation](#)

4.1 [The Percent Equation](#)

4.2 [Percent of Increase and Decrease](#)

4.3 [Discounts and Markups](#)

4.4 [Simple Interest](#)

5.1 [Identifying Similar Figures](#)

5.2 [Perimeter and Areas of Similar Figures](#)

5.3 [Finding Unknown Measures in Similar Figures](#)

5.4 [Scale Drawings](#)

5.5 [Translations](#)

5.6 [Reflections](#)

5.7 [Rotations](#)

6.1 [Drawing 3-Dimensional Figures](#)

6.2 [Surface Area of Prisms](#)

6.3 [Surface Area of Cylinders](#)

6.4 [Surface Area of Pyramids](#)

6.5 [Surface Area of Cones](#)

6.6 [Surface Area of Composite Solids](#)

7.1 [Volumes of Prisms](#)

7.2 [Volumes of Cylinders](#)

7.3 [Volumes of Pyramids](#)

7.4 [Volumes of Cones](#)

7.5 [Volumes of Composite Solids](#)

7.6 [Surface Areas and Volumes of Similar Solids](#)

8.1 [Stem-and-Leaf Plots](#)

8.2 [Histograms](#)

8.3 [Circle Graphs](#)

8.4 [Samples and Populations](#)

9.1 [Introduction to Probability](#)

9.2 [Theoretical Probability](#)

9.3 [Experimental Probability](#)

9.4 [Independent and Dependent Events](#)

B.1 [Solving Multi-Step Equations](#)

B.2 [Solving Equations with Variables on Both Sides](#)

B.3 [Solving Equations with Tables and Graphs](#)

B.4 [Slope of a Line](#)

B.5 [Linear Functions](#)

## Big Ideas Math 8<sup>th</sup> Grade

- 1.1 [Solving Simple Equations](#)
- 1.2 [Solving Multi-Step Equations](#)
- 1.3 [Solving Equations with Variables on Both Sides](#)
- 1.4 [Rewriting Equations and Formulas](#)
- 1.5 [Converting Units of Measure](#)
  
- 2.1 [Graphing Linear Equations](#)
- 2.2 [Slope of a Line](#)
- 2.3 [Graphing Linear Equations in Slope-Intercept Form](#)
- 2.4 [Graphing Linear Equations in Standard Form](#)
- 2.5 [Systems of Linear Equations](#)
- 2.6 [Special Systems of Linear Equations](#)
- 2.7 [Solving Equations by Graphing](#)
  
- 3.1 [Writing Equations in Slope-Intercept Form](#)
- 3.2 [Writing Equations Using a Slope and a Point](#)
- 3.3 [Writing Equations Using Two Points](#)
- 3.4 [Solving Real Life Problems](#)
- 3.5 [Writing Systems of Linear Equations](#)
  
- 4.1 [Domain and Range of a Function](#)
- 4.2 [Discrete and Continuous Domains](#)
- 4.3 [Linear Function Patterns](#)
- 4.4 [Comparing Linear and Nonlinear Functions](#)
  
- 5.1 [Classifying Angles](#)
- 5.2 [Angles and Sides of Triangles](#)
- 5.3 [Angles of Polygons](#)
- 5.4 [Using Similar Triangles](#)
- 5.5 [Parallel Lines and Transversals](#)
  
- 6.1 [Finding Square Roots](#)
- 6.2 [The Pythagorean Theorem](#)
- 6.3 [Approximating Square Roots](#)
- 6.4 [Simplifying Square Roots](#)
- 6.5 [Using the Pythagorean Theorem](#)
  
- 7.1 [Measures of Central Tendency](#)
- 7.2 [Box and Whisker Plots](#)
- 7.3 [Scatter Plots and Lines of Best Fit](#)
- 7.4 [Choosing a Data Display](#)

- 8.1 [Writing and Graphing Inequalities](#)
- 8.2 [Solving Inequalities Using Addition and Subtractions](#)
- 8.3 [Solving Inequalities Using Multiplication or Division](#)
- 8.4 [Solving Multi-Step Inequalities](#)
  
- 9.1 [Exponents](#)
- 9.2 [Product of Powers Property](#)
- 9.3 [Quotient of Powers Property](#)
- 9.4 [Zero and Negative Exponents](#)
- 9.5 [Reading Scientific Notation](#)
- 9.6 [Writing Scientific Notation](#)
  
- B.1 [Simple and Compound Interest](#)
- B.2 [Formula for Compound Interest](#)
- B.3 [Installment Loans](#)
- B.4 [Checking Accounts](#)
- B.5 [Credit Cards](#)
- B.6 [Payroll Deductions](#)
- B.7
