

# Summer Solutions

## Standards-Based Mathematics 8

<u>Reviewed Skills Include</u>	<u>Standard</u>
• Know that Numbers are Rational or Irrational	8.NS.1
• Apply Properties of Integer Exponents to Generate Equivalent Numerical Expressions	8.EE.1
• Use Numbers Expressed in the Form of a Single Digit times a Whole Number Power of Ten	8.EE.3
• Perform Operations with Numbers Expressed in Scientific Notation	8.EE.4
• Use the Equation $y = mx + b$	8.EE.6
• Solve Linear Equations with One Solution, an Infinite Number of Solutions, or No Solution	8.EE.7
• Solve Pairs of Simultaneous Linear Equations	8.EE.8
• Understand that a Function Assigns to Each Input Exactly One Output	8.F.1
• Compare Properties of Two Functions Represented in a Different Way	8.F.2
• Construct a Function to Model a Linear Relationship Between Two Quantities	8.F.4
• Determine Congruence Between Two-Dimensional Figures by Rotation, Reflection, or Translation	8.G.2
• Determine Similarity Between Two-Dimensional Figures by Rotation, Reflection, or Translation	8.G.4
• Apply the Pythagorean Theorem to Determine Unknown Side Lengths	8.G.7
• Apply the Pythagorean Theorem to Find the Distance Between 2 Points	8.G.8
• Know the Formulas for Volume of Cones, Cylinders, and Spheres	8.G.9

**Help Pages begin on page 63.**  
**Answers to Lessons begin on page 103.**