Mathematics – Grade 5

Operations and Algebraic Thinking	Number and Operations in Base Ten
• Write and interpret numerical expressions. • Analyze mathematical patterns and relationships.	• Understand the place value system. • Generalize the place-value system to include decimals, and calculate with decimals to the hundredths place (two places after the decimal). • Multiply whole numbers quickly and accurately, for example 1,638 × 753, and divide whole numbers in simple cases, such as dividing 6,971 by 63.
Number and Operations- Fractions	**Measurement and Data**
• Add and subtract fractions with like and unlike denominators (e.g., 2¼ – 1⅓), and solve word problems of this kind. • Multiply fractions; divide fractions in simple cases; and solve related word problems (e.g., find the area of a rectangle with fractional side lengths; determine how many ⅓-cup servings are in 2 cups of raisins; determine the size of a share if 9 people share a 50-pound sack of rice equally or if 3 people share ½ pound of chocolate equally).	• Convert like measurement units within a given measurement system. • Make a line plot to display a data set with fractional units of measure and interpret the data to solve problems. • Geometric measurement: Understand the concept of volume, and solve word problems that involve volume.
Geometry	
• Graph points on the coordinate plane to solve real-world and mathematical problems. • Classify two-dimensional figures into categories based on their properties.	