5ᵗʰ Grade Math Year At a Glance

	Content and Skills	Major Domains Addressed
All	◉ Solve multistep word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators. ◉ Fluently multiply multi-digit numbers ◉ **Math Facts**	◉ Operations and Algebraic Thinking
Quarter I	◉ Understand the place value structure of the base 10 system ◉ Use a variety of strategies to multiply and divide multi-digit numbers ◉ Use a variety of strategies to estimate products and quotients ◉ Connect calculations for volume to operations of addition and multiplication. ◉ Properties of Operations ◉ Exponential Notation ◉ Use order of operations to evaluate numerical expressions ◉ Model, read, write, and compare decimals to the thousandths place ◉ Add and subtract decimals using models and place value	◉ Operations and Algebraic Thinking ◉ Numbers Base Ten ◉ Numbers and Operations- Fractions
Quarter 2	◉ Find patterns in products and quotients when multiplying or dividing by a power of 10 (i.e. 10, 100, 1,000 etc.) ◉ Use a variety of strategies to multiply, and divide decimals to thousandths ◉ Use a variety of strategies to add and subtract fractions with like and unlike denominators ◉ Identify, create, and explain number patterns with fractions ◉ Model to find the fractional part of a group ◉ Use a variety of strategies to multiply fractions and mixed numbers ◉ Analyze and relate the size of the product when multiplying by factors greater than 1 and less than 1	◉ Numbers Base 10 ◉ Numbers and Operations – Fractions

Quarter 3	@ Connect fractions to division @ Divide a whole number by a fraction and a fraction by a whole number @ Identify and plot points in the first quadrant of the coordinate plane @ Represent real world problems by graphing in the first quadrant of the coordinate plane @ Graph, analyze and display data using line graphs and line plots @ Compare, contrast and convert units of measure in the customary and metric systems @ Identify, classify and compare polygons, triangles and rectangles using properties	@ Operations and Algebraic Thinking @ Numbers and Operations-Fractions @ Geometry @ Measurement and Data
Quarter 4	@ Identify, classify and describe 3-D figures @ Use unit cubes to explore, develop and calculate the volume of cubes, rectangular prisms, and combined rectangular prisms @ Beginning Grade 6 Skills	@ Geometry @ Measurement and Data @ Operations and Algebraic Thinking @ Numbers Base 10