

5th Grade On Level Math Scope and Sequence

Quarter	Unit	Standards
1	1 Place Value	<p>5.NBT.3: Read, write, and compare decimals to thousandths</p> <p>5.NBT.1: 10 times as much and 1/10</p> <p>5.NBT.2: Exponents</p> <p>5.NBT.4: Use place value understanding to round decimals to any place</p>
	2 Whole Number Operations	<p>5.NBT.5: Standard algorithm of multiplication of multi-digit whole numbers</p> <p>5.NBT.6: Division of multi-digit whole numbers using place value strategies</p>
2	3 Volume	<p>5.MD.3: Recognize volume as an attribute of solid figures and understand concepts of volume measurement</p> <p>5.MD.4: Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units</p> <p>5.MD.5: Relate volume to the operations of multiplication and addition and solve real world and mathematical problems involving volume.</p>
	4 Adding and Subtracting Fractions & Decimals	<p>5.NF.1: Add and subtract fractions with unlike denominators (including mixed numbers).</p> <p>5.NF.3: Solve word problems involving addition and subtraction of fractions by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.</p> <p>5.MD.2: Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/4, 1/8). Use operations on fractions for this grade to solve problems involving information presented in line plots.</p> <p>5.NBT.7-1.B.2: Add and subtract decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.</p>

3	5 Multiplying & Dividing Fractions	<p>5.NF.4 (Multiply fraction or whole number by fraction)</p> <p>5.NF.5 (Interpret multiplication as scaling/resizing)</p> <p>5.NF.6 (Solve problems involving multiplication of fractions and mixed numbers)</p> <p>5.NF.3 (Interpret fractions as division of whole numbers using visual models)</p> <p>5.NF.7 (Divide unit fractions by whole numbers and whole numbers by unit fractions)</p> <p>5.MD.1 (Convert customary system measurements in fraction form - oz, lb; gal, qt, fl oz; in, ft, yd, mi)</p> <p>5.MD.2 (Line plot of measurement up to the nearest 1/8)</p>
	6 Multiplying and Dividing Decimals	<p>5.NBT.7-3 & -4 (Multiply and divide decimals to hundredths using manipulatives and drawings)</p> <p>5.MD.1 (Convert metric system measurements in decimal form - mm, cm, m, km; g, kg, ml, l)</p>
4	7 Algebraic Thinking & Coordinate System	<p>5.OA.1 (Parentheses, Brackets & Braces)</p> <p>5.OA.2 (Write and interpret simple expressions)</p> <p>5.G.1 (Understand graphs in quadrant 1 of coordinate plane)</p> <p>5.G.2 (Represent problems by graphing in quadrant 1 of coordinate plane)</p> <p>5.OA.3 (Generate numeric patterns from rules and graph on coordinate plane)</p>
	8 Geometry	<p>5.G.3 (Properties of shapes)</p> <p>5.G.4 (Hierarchy of two-dimensional figures)</p>

Major Content Standards = 65-85% of instructional time spent (K-2 at 85%)

Supporting Standards

Additional Standards