

5th Grade Instructional Math Scope and Sequence

Q	Unit	Standards - On Level	Standards - Instructional
1	1 Place Value	<p>5.NBT.1: Read, write, and compare decimals to thousandths</p> <p>5.NBT.2: 10 times as much and 1/10</p> <p>5.NBT.3: Exponents</p> <p>5.NBT.4: Use place value understanding to round decimals to any place</p>	<p>Power Standards</p> <p>5.NBT.1: Read, write, and compare decimals to thousandths</p> <p>5.NBT.2: 10 times as much and 1/10</p> <p>5.NBT.3: Exponents</p> <p>Secondary Standards</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>	<p>Power Standards</p> <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.1: Recognize volume as an attribute of solid figures and understand concepts of volume measurement</p> <p>5.MD.2: Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units</p> <p>5.MD.3: Relate volume to the operations of multiplication and addition and solve real world and mathematical problems involving volume.</p>	<p>Power Standards</p> <p>5.MD.1: Recognize volume as an attribute of solid figures and understand concepts of volume measurement</p> <p>5.MD.2: Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units</p> <p>5.MD.3: 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.2: Solve word problems involving addition and subtraction of fractions by using visual fraction models or equations to represent the problem.</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.7-10: Add and subtract decimals to hundredths.</p>	<p>Power Standards</p> <p>5.NF.1: Add and subtract fractions with unlike denominators (including mixed numbers).</p> <p>5.NF.2: Solve word problems involving addition and subtraction of fractions by using visual fraction models or equations to represent the problem. 5.NBT.7-10: Add and subtract decimals to hundredths.</p> <p>Secondary Standards</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>

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>	<p>Power Standards</p> <p>5.NF.4 (Multiply fraction or whole number by fraction)</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>Secondary Standards</p> <p>5.NF.5 (Interpret multiplication as scaling/resizing)</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>	<p>Power Standards</p> <p>5.NBT.7-3 & -4 (Multiply and divide decimals to hundredths using manipulatives and drawings)</p> <p>Secondary Standards</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>	<p>Power Standards</p> <p>5.OA.1 (Parentheses, Brackets & Braces)</p> <p>5.OA.2 (Write and interpret simple expressions)</p> <p>Secondary Standards</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>	<p>Power Standards</p> <p>5.G.3 (Properties of shapes)</p> <p>5.G.4 (Hierarchy of two-dimensional figures)</p>

Primary Standards - Focus of Grade Level Instruction and Assessment

Major Content Standards **Supporting Standards/Additional Standards**

Secondary - Introduce/Practice during math meeting/number talks, stations

Instructional Level Math - [Bridges Volume 8](#)