



Content Area: Math

Grade Level: 5th

Curriculum Map/Scope & Sequence (2021)

<u>Time Period</u>	<u>Area of Focus</u>	<u>IL Priority Learning Standards</u>	<u>I CAN Statements</u>	<u>Assessments</u>
August	Place Value Rounding Comparing whole numbers	OA.1.1 OA.1.2 NBT.1.1 NBT.1.2	I CAN write numerical expressions I CAN interpret numerical expressions I CAN use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols I CAN identify that in a multi-digit number, a digit in one place represents 10 times as much as its place to the right, or 1/10 of what it represents in the place to its left I CAN explain patterns of the number of zeroes in the product when multiplying a number by powers of ten I CAN use whole number exponents to denote powers of ten	Quizzes, MidChapter Checkpoints, end of unit assessments
September	Multiplication	NBT.2.5	I CAN fluently multiply multi-digit whole numbers using the standard algorithm I CAN use area models and partial products to multiply whole numbers	Quizzes, MidChapter Checkpoints, end of unit assessments
October	Division	NBT.2.6	I CAN illustrate and explain calculations by using equations, rectangular arrays, and/or area models I CAN find whole number quotients of whole numbers with to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division	Quizzes, MidChapter Checkpoints, end of unit assessments
November	Division/Graphing	MD.2.2 G.1.1 G.1.2	I CAN make a line plot to display a data set of measurements I CAN use operations to solve problems involving information presented in line plots I CAN use a pair of axes (perpendicular lines), to define a coordinate system and use an ordered pair to identify a point's place in the plane	Quizzes, MidChapter Checkpoints, end of unit assessments

			I CAN represent real-world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation	
December	Measurement	MD.1.1	I CAN convert among different-sized standard measurement units (km, m, cm; kg, g; lb, oz; L, mL; hr, min, sec) within a given measurement system I CAN use these conversions in solving multi-step, real world problems	Quizzes, MidChapter Checkpoints, end of unit assessments
January	Fractions	NF.1.1 NF.1.2 NF.2.3 NBT.1.2 MD.2.2	I CAN add and subtract fractions with unlike denominators including mixed numbers by replacing given fractions with equivalent fractions I CAN solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators I CAN use visual fraction models or equations to represent problems I CAN use benchmark fractions and number sense to estimate mentally and assess the reasonableness of answers I CAN interpret a fraction as division of the numerator by the denominator I CAN solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers I CAN use operations on fractions for this grade to solve problems involving information presented in line plots	Quizzes, MidChapter Checkpoints, end of unit assessments
February	Fractions	NF.2.4 NF.2.5 NF.2.6 NF2.7	I CAN apply and extend previous understanding of multiplication to multiply a fraction or whole number by a fraction I CAN interpret multiplication as scaling by comparing the size of a product to the size of one factor or another I CAN explain why multiplying a number by a fraction greater than one results in a product greater than the original product I CAN explain why multiplying a number by a fraction less than one results in a product less than the original product I CAN apply and extend previous understanding of division to divide unit fractions by whole numbers and whole numbers by unit fractions	Quizzes, MidChapter Checkpoints, end of unit assessments
March	Decimals	NBT.1.2	I CAN explain patterns in the placement of the	Quizzes,

		NBT.1.3 NBT.1.4 NBT.2.7	<p>decimal point when a decimal is multiplied or divided by a power of 10</p> <p>I CAN recognize in a multi-digit number a digit in one place represents 10 times as much as its place to the right, or 1/10 of what it represents in the place to its left</p> <p>I CAN read, write and compare decimals to the thousandths</p> <p>I CAN use place value understanding to round decimals to any place</p> <p>I CAN add, subtract, multiply, and divide 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>	MidChapter Checkpoints, end of unit assessments
April	Volume/Geometry	MD.3.3 MD.3.4 MD.3.5 G.2.3 G.2.4	<p>I CAN relate volume to the operations of multiplication and addition and solve real world and mathematical problems involving volume</p> <p>I CAN determine possible dimensions given volume</p> <p>I CAN classify and organize 2D figures into venn diagrams based on the attributes of the figures</p> <p>I CAN recognize volume as an attribute of solid figures and understand concepts of volume measurement</p> <p>I CAN measure volumes by counting unit cubes, using cubic cm/in/ft/improvised units</p> <p>I CAN understand that attributes belonging to a category of 2D figures also belong to all subcategories of that category</p>	Quizzes, MidChapter Checkpoints, end of unit assessments
May	Statistics/Probability	6.SP.A.2 6.SP.A.3 6.SP.B.4 6.SP.B.5	<p>I CAN understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape</p> <p>I CAN recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number</p> <p>I CAN display numerical data in plots on a number line, including dot plots, histograms, and box plots.</p> <p>I CAN summarize numerical data sets in relation to their context, such as by: Reporting the number of observations; Describing the nature of the attribute under investigation, including how it was measured and its units of measurement; Giving quantitative</p>	Quizzes, MidChapter Checkpoints, end of unit assessments

			measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered; Relating the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered.	
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