

## 5th Grade Math Curriculum Map

Standards	Content	Skills/Practices	Materials/ Resources	Assessments (All) Daily/Weekly/ Benchmarks	Timeline (Months/Weeks/ Days)
	<b>Module 2: Multi-Digit Whole Numbers and Decimal Fractions</b>		Student Module Book Sprints Engageny.org Greatminds.org Prodigy Learnzillion Multiplication.com Factmonster.com Khanacademy.com Mathplayground.co m Zearn iXL	Exit tickets Mid-Module Quiz Module 2 test Check-in 1 quizzes	35 days: Sept-November
5.NBT.1, 2 5.OA.1	Topic A: Mental Strategies for Multi-Digit whole number multiplication	<ul style="list-style-type: none"> <li>• Multiply multi-digit whole numbers and multiples of 10</li> <li>• Estimate products by rounding</li> </ul>	Lessons 1-2		

5.OA.1,2 5.NBT.5	Topic B: Standard algorithm for Multi-Digit Whole number multiplication	<ul style="list-style-type: none"> <li>• Write and interpret expressions</li> <li>• Connect area model to partial products</li> <li>• Multiply whole digit numbers</li> <li>• Problem solving</li> </ul>	Lessons 3-9		
5.NBT.1	Topic C: Decimal multi-digit multiplication	<ul style="list-style-type: none"> <li>• Multiply decimal fractions</li> <li>• Estimate using rounding</li> </ul>	Lessons 10-12		
5.NBT.1,2,5,7 5.MD.1	Topic D: Measurement word problems with whole number and decimal multiplication/multi-digit division	<ul style="list-style-type: none"> <li>• Use whole number multiplication to express equivalent measurements</li> </ul>	Lessons 13-15		
5.NBT.1,2,6	Topic E: Mental strategies for multi-digit whole	<ul style="list-style-type: none"> <li>• Use divide by 10 patterns to divide</li> </ul>	Lessons 16-18		

	number division				
5.NBT.6	Topic F: Partial quotients and multi-digit whole number division	<ul style="list-style-type: none"> <li>• Divide decimal dividends by multiples of 10</li> <li>• Use basic facts to approximate quotients</li> <li>• Divide up to 4 digit dividend by two-digit divisors</li> </ul>	Lessons 19-23		
5.NBT.2,7	Topic G: Partial quotients and multi digit decimal division	<ul style="list-style-type: none"> <li>• Divide decimal dividends by multiples of 10</li> <li>• Use basic facts to approximate decimal quotients</li> <li>• Divide decimal quotients by two digit divisors</li> </ul>	Lessons 24-27		
5.NBT.6, 7	Topic H: Measurement	<ul style="list-style-type: none"> <li>• Solve division word</li> </ul>	Lessons 28-29		

	word problems with multi-digit division	problems			
	<b>Module 1: Place Value and Decimal Fractions</b>		Student Module Book Sprints Engageny.org Greatminds.org Prodigy Learnzillion Multiplication.com Factmonster.com Khanacademy.com Mathplayground.com Zearn iXL	Exit tickets Quizzes Mid-Module Quiz Module 1 test	20 Days Nov.-Dec.
5.NBT. 1,2 5.MD.1	Topic A: Multiplication Patterns on Place Value Chart	<ul style="list-style-type: none"> <li>• Understand place value from millions to thousandths</li> <li>• Use exponents</li> </ul>	Lessons 1-4		.
5. NBT.3	Topic B: Decimal Fractions and Place Value Patterns	<ul style="list-style-type: none"> <li>• Name decimal fractions in expanded, unit and word</li> </ul>	Lessons 5-6		

		<ul style="list-style-type: none"> <li>form</li> <li>• Compare decimal fractions</li> </ul>			
5.NBT.4	Topic C: Place Value and Rounding Decimal Fractions	<ul style="list-style-type: none"> <li>• Round a given decimal to any place</li> </ul>	Lessons 7-8		
5.NBT. 2, 3, 7	Topic D: Adding and Subtracting Decimals	<ul style="list-style-type: none"> <li>• Add and subtract decimals using place value strategies</li> </ul>	Lessons 9-10		
5.NBT.7	Topic E: Multiplying Decimals	<ul style="list-style-type: none"> <li>• Multiply a decimal fraction by single digit whole numbers</li> </ul>	Lessons 11-12		
5.NBT. 3, 7	Topic F: Dividing Decimals	<ul style="list-style-type: none"> <li>• Divide decimals by single digit whole numbers</li> <li>• Multiply a decimal fraction by single digit whole</li> </ul>	Lessons 13-16		

		numbers			
	<b>Module 3: Addition and Subtraction of fractions</b>			Module 3 test Check-in 2 Quizzes Exit tickets	22 days: Nov-December
5.NF.1, 3c, 3d	Topic A: Equivalent fractions	<ul style="list-style-type: none"> <li>• Make equivalent fractions</li> </ul>	Lessons 1-2		
5.NF.1,2	Topic B: Making like units pictorially	<ul style="list-style-type: none"> <li>• Add fractions with unlike units</li> <li>• Subtract fractions with unlike units</li> <li>• Solve 2-step word problems</li> </ul>	Lessons 3-7		
5.NF.1, 2	Topic C: Making like units numerically	<ul style="list-style-type: none"> <li>• Add fractions to and subtract fractions from whole numbers</li> <li>• Add fractions</li> </ul>	Lessons 8-12		

		<p>with sums greater than 2</p> <ul style="list-style-type: none"> <li>• Subtract fractions making like units numerically</li> </ul>			
5.NF.1,2	Topic D: Further applications	<ul style="list-style-type: none"> <li>• Problem solving</li> <li>• Part-to-whole relationships</li> </ul>	Lessons 13-16		
	<b>Module 4: Multiplication and Division of fractions and decimal fractions</b>		Student Module Book Sprints Engageny.org Greatminds.org Prodigy Learnzillion Multiplication.com Factmonster.com Khanacademy.com Mathplayground.com Zearn iXL		38 days December-February
5.MD.2	Topic A: Line plot of fraction measurements	<ul style="list-style-type: none"> <li>• Line plots</li> </ul>	Lesson 1	Module 4 test Check in 3 Quizzes	

				Exit tickets	
5.MD.3,5	Topic B: Fractions as division	<ul style="list-style-type: none"> <li>• Interpret a fraction as division</li> <li>• Problem solving</li> </ul>	Lessons 2-5		
5.NF.1, 41	Topic C: Multiplication of a whole number by a fraction	<ul style="list-style-type: none"> <li>• Fractions of a set</li> <li>• Find a fraction of a measurement</li> <li>• Problem solving</li> </ul>	Lessons 6-9		
5.OA.1,2 5.NF.4a,6	Topic D: Fraction expressions and word problems	<ul style="list-style-type: none"> <li>• Expressions with parentheses</li> <li>• Create and solve fraction word problems</li> </ul>	Lessons 10-12		
5.NBT.7 5.NF.4a,4b, 6 5.MD.1	Topic E: Multiplication of a fraction by a fraction	<ul style="list-style-type: none"> <li>• Multiply unit fractions and non-unit fractions by unit fraction and non unit-fractions,</li> </ul>	Lessons 13-20		



		<ul style="list-style-type: none"> <li>• Relate decimal and fraction multiplication</li> <li>• Convert measurements with whole and mixed numbers</li> </ul>			
5.NF.5 5.NF.6	Topic F: Multiplication with fractions and decimals as scaling and word problems	<ul style="list-style-type: none"> <li>• Compare size of product to factors</li> <li>• Problem solving</li> </ul>	Lessons 21-24		
5.OA.1 5.NBT.7 5.NF.7	Topic G: Division of fractions and decimal fractions	<ul style="list-style-type: none"> <li>• Divide a whole number by a unit fraction</li> <li>• Divide a unit fraction by a whole number</li> <li>• Problem solving with fraction division</li> <li>• Divide decimal dividends by non-unit decimal</li> </ul>	Lessons 25-31		

		divisors			
5.OA.1 5.OA.2	Topic H: Interpretation of Numerical expressions	<ul style="list-style-type: none"> <li>• Evaluate expressions using scaling</li> <li>• Create story contexts for numerical expressions</li> </ul>	Lessons 32-33		
	<b>Module 5: Addition and Multiplication with Volume and Area</b>		Student Module Book Sprints Engageny.org Greatminds.org Prodigy Learnzillion Multiplication.com Factmonster.com Khanacademy.com Mathplayground.com Zearn iXL	Exit tickets Mid-Module Quiz Module 5 test quizzes	25 Days Feb.-Mar
5.MD.3 5.MD.5	Topic A: Concepts of Volume	<ul style="list-style-type: none"> <li>• Explore Volume by building with and counting unit cubes</li> <li>• Find the</li> </ul>	Lessons 1-3		

		<p>volume of a right rectangular prism by packing with cubic units and counting</p> <ul style="list-style-type: none"> <li>• Compose and decompose right rectangular prisms using layers</li> </ul>			
5.MD.3	Topic B: Volume and the Operations of Multiplication and Addition	<ul style="list-style-type: none"> <li>• Use multiplication to calculate volume</li> <li>• Use multiplication to connect volume as packing with volume as filling</li> <li>• Find the total volume of solid figures composed of non-overlappi</li> </ul>	Lessons 4-9		

		<p>ng rectangular prisms</p> <ul style="list-style-type: none"> <li>• Solve word problems involving the volume of rectangular prisms with whole number edge lengths</li> <li>• Apply concepts and formulas of volume to design a sculpture using rectangular prisms within given parameters</li> </ul>			
5.NF.4b	Topic C: Area of Rectangular Figures with Fractional Lengths	<ul style="list-style-type: none"> <li>• Find the area of rectangles with whole-by-mixed and whole-by-fractional number side lengths by tiling,</li> </ul>	Lessons 10-15		

		<p>record by drawing, and relate to fraction multiplication</p> <ul style="list-style-type: none"> <li>• Measure to find the area of rectangles with fractional side lengths</li> <li>• Multiply mixed number factors, and relate to the distributive property and the area model</li> <li>• Solve real-world problems involving area of figures with fractional side lengths using visual models and/or equations</li> </ul>			
5.G.3 5.G.4	Topic D: Drawing, Analysis, and Classification of	<ul style="list-style-type: none"> <li>• Draw two dimensional shapes</li> </ul>	Lessons 16-21		

	Two Dimensional Shapes	<p>based on their attributes</p> <ul style="list-style-type: none"> <li>• Classify two dimensional shapes based on properties</li> </ul>			
	<b>Module 6: Problem Solving in the Coordinate Plane</b>			Exit tickets Mid-Module Quiz Module 6 test quizzes	40 Days April-June
5.G.1	Topic A: Coordinate Systems	<ul style="list-style-type: none"> <li>• Construct a coordinate system on a line and a plane</li> <li>• Name points using coordinate pairs</li> <li>• Investigate patterns</li> </ul>	Lessons 1-6		

<p>5.OA.2 5.OA.3 5.G.1</p>	<p>Topic B: Patterns in the Coordinate Plane and Graphing Number Patterns from Rules</p>	<ul style="list-style-type: none"> <li>● Plot points and use them to draw lines</li> <li>● Generate a number pattern and plot the points</li> <li>● Analyze number patterns created from mixed operations</li> </ul>	<p>Lessons 7-12</p>		
<p>5.G.1 5.G.2</p>	<p>Topic C: Drawing Figures in the Coordinate Plane</p>	<ul style="list-style-type: none"> <li>● Construct parallel line segments</li> <li>● Construct perpendicular line segments</li> <li>● Draw symmetric figures using distance and angle measure from the line of symmetry</li> </ul>	<p>Lessons 13-17</p>		
<p>5.OA.3 5.G.2</p>	<p>Topic D: Problem Solving in the Coordinate Plane</p>	<ul style="list-style-type: none"> <li>● Draw symmetric figures</li> <li>● Plot data</li> </ul>	<p>Lessons 18-20</p>		

		<ul style="list-style-type: none"> <li>• Solve real world problems</li> </ul>			
5.NF.2 5.NF.3 5.NF.6 5.MD.1 5.MD.5 5.G.2	Topic E: Multi-Step Word Problems	<ul style="list-style-type: none"> <li>• Make sense of complex multi-step problems</li> </ul>	Lessons 21-25		
	Topic F: The Years Review: A Reflection on a Story of Units	<ul style="list-style-type: none"> <li>• Solidify writing and interpreting numerical expressions</li> <li>• Solidify fluency with Gr 5 skills</li> <li>• Solidify geometry vocabulary</li> <li>• Explore Fibonacci sequence</li> <li>• Explore patterns in saving money</li> </ul>	Lessons 26-34		