

# 4th Grade Math Curriculum Map (enVisions)

Quarter	Topic	Concepts Covered	IL CCSS Standards	Assessments	Resources & Tools
<b>Quarter 1</b> Building a Strong Foundation	<b>Topic 1:</b> Generalize Place Value Understanding	- Understand place value for multi-digit numbers - Recognize that in a multi-digit number, a digit represents ten times what it represents in the place to its right	4.NBT.1, 4.NBT.2, 4.NBT.3	Summative Test over place value  2 Formative Quizzes	<ul style="list-style-type: none"> <li>• Envisions Math book</li> <li>• Savvas Online components such as:               <ul style="list-style-type: none"> <li>- Practice Buddies</li> <li>- Quick Checks</li> <li>- Assigned Videos</li> </ul> </li> <li>• Interactive TV</li> <li>• Dry Erase Boards</li> <li>• Addition Practice Pages from Envisions</li> <li>• Other teacher created materials or resources</li> </ul>
	<b>Topic 2:</b> Fluently Add and Subtract Multi-Digit Whole Numbers	- Fluently add and subtract multi-digit whole numbers - Solve multi-step word problems	4.NBT.4, 4.OA.3	Summative Test over addition and subtraction  2 Formative Quizzes	
	<b>Topic 3:</b> Use Strategies and Properties to Multiply by 1-Digit Numbers	- Multiply whole numbers by one-digit numbers using strategies based on place value and properties of operations	4.NBT.5, 4.OA.1	Summative Test over multiplication 1 digit by multi-digit  2 Formative Quizzes	
<b>Quarter 2</b> Multiplication, Division & Factors	<b>Topic 4:</b> Multiplying by 2-Digit Numbers	- Multiply two-digit numbers using various strategies, including area models and partial products	4.NBT.5	Summative Test over multiplying 2 digit by 2 digit numbers  2 Formative Quizzes	
	<b>Topic 7:</b> Factors and Multiples	- Identify factors and multiples of whole numbers - Determine if a number is prime or composite	4.OA.4	Summative Test over factors and multiples	

				2 Formative Quizzes	<ul style="list-style-type: none"> <li>• Envisions Math book</li> <li>• Savvas Online components such as: <ul style="list-style-type: none"> <li>- Practice Buddies</li> <li>- Quick Checks</li> <li>- Assigned Videos</li> </ul> </li> <li>• Interactive TV</li> <li>• Dry Erase Boards</li> <li>• Addition Practice Pages from Envisions</li> <li>• Other teacher created materials or resources</li> </ul>
	<b>Topic 5:</b> Use Strategies and Properties to Divide by 1-Digit Numbers	- Divide multi-digit numbers by one-digit divisors using strategies based on place value, properties of operations, and the relationship between multiplication and division	4.NBT.6, 4.OA.3	Summative Test over Division  2 Formative Quizzes	
<b>Quarter 3</b> Fractions	<b>Topic 8:</b> Extend Understanding of Fraction Equivalence and Ordering	- Recognize and generate equivalent fractions - Compare fractions with different numerators and denominators	4.NF.1, 4.NF.2	Summative Test over Equivalent Fractions  2 Formative Quizzes	
	<b>Topic 9:</b> Understand Addition and Subtraction of Fractions	- Add and subtract fractions with like denominators - Decompose fractions into sums of smaller fractions - Converting between improper fractions and mixed numbers	4.NF.3	Summative Test over Add/Sub Fractions  2 Formative Quizzes	
	<b>Topic 10:</b> Extend Multiplication Concepts to Fractions	- Multiply a fraction by a whole number - Understand a fraction as a multiple of a unit fraction	4.NF.4	Summative Test over Multiplying Fractions  2 Formative Quizzes	
<b>Quarter 4</b> Geometry, Measurement, & Data	<b>Topic 11:</b> Represent and Interpret Data on Line Plots	- Display and interpret data using line plots - Solve problems involving addition and subtraction of fractions using information presented in line plots	4.MD.4	Summative Test over Interpret Data and Line Plots  2 Formative Quizzes	
	<b>Topic 12:</b> Understand and Compare Decimals	- Read, write, and compare decimals to hundredths - Use decimal notation for fractions with denominators 10 or	4.NF.5, 4.NF.6, 4.NF.7	Summative Test over Decimals	

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	<b>Topic 13:</b> Measurement: Find Equivalence in Units of Measure	<ul style="list-style-type: none"> <li>- Convert measurements from larger units to smaller units within the same system</li> <li>- Solve word problems involving distances, intervals of time, and money</li> </ul>	4.MD.1, 4.MD.2	Summative Test over Measurements  2 Formative Quizzes	
	<b>Topic 14:</b> Algebra: Generate and Analyze Patterns	<ul style="list-style-type: none"> <li>- Generate numerical patterns following a given rule</li> <li>- Identify apparent features of patterns that were not explicit in the rule itself</li> </ul>	4.OA.5	Summative Test over Patterns  2 Formative Quizzes	
	<b>Topic 15:</b> Geometric Measurement: Understand Concepts of Angles and Angle Measurement	<ul style="list-style-type: none"> <li>- Recognize angles as geometric shapes formed wherever two rays share a common endpoint</li> <li>- Measure angles in whole-number degrees using a protractor</li> </ul>	4.MD.5, 4.MD.6	Summative Test over Angles and Measurements  2 Formative Quizzes	
	<b>Topic 16:</b> Lines, Angles, and Shapes	<ul style="list-style-type: none"> <li>- Draw and identify lines and angles</li> <li>- Classify shapes based on the presence or absence of parallel or perpendicular lines, or angles of a specified size</li> </ul>	4.G.1, 4.G.2, 4.G.3	Summative Test over Lines, angles, and shapes  2 Formative Quizzes	