



3rd Grade Math Curriculum Map

Last Updated: 11/20/2024

Quarter 1		
Essential Question/Topic	Standards	Parent Resources
Module 1: Properties of Multiplication and Division and Solving Problems with Units of 2-5 and 10		
Topic A: Multiplication and the Meaning of the Factors	3.OA.1: Interpret products of whole numbers.	Topic A-Parent Tips English Spanish
Topic B: Division as an Unknown Factor Problem	3.OA.2: Interpret whole-number quotients of whole numbers.	Topic B-Parent Tips English Spanish
Topic C: Multiplication Using Units of 2 and 3	3.OA.3: Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities.	Topic C-Parent Tips English Spanish
Topic D: Division Units of 2 and 3	3.OA.4: Determine the unknown whole number in a multiplication or division equation relating three whole numbers.	Topic D-Parent Tips English Spanish
Topic E: Multiplication and Division Using Units of 4	3.OA.5: Apply properties of operations as strategies to multiply and divide.	Topic E-Parent Tips English Spanish
Topic F: Distributive Property and Problem Solving Using Units of 2-5 and 10	3.OA.6: Understand division as an unknown-factor problem. 3.OA.7: Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division. 3.OA.8: Solve two-step word problems using the four operations.	Topic F-Parent Tips English Spanish
Module 2: Place Value and Problem Solving with Units of Measure		
Topic A: Time Measurement and Problem Solving	3.NBT.2: Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties, and/or	Topic A-Parent Tips English Spanish



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Topic B: Division as an Unknown Factor Problem	the relationship between addition and subtraction. 3.MD.1: Tell and write time to the nearest minute and measure time intervals in minutes. 3.MD.2: Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (L).	Topic B-Parent Tips English Spanish
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Quarter 2		
Essential Question/Topic	Standards	Parent Resources
Module 2: Place Value and Problem Solving with Units of Measure		
Topic C: Rounding to the Nearest Ten and Hundred Topic D: Two- and Three-Digit Measurement Addition Using the Standard Algorithm Topic E: Two- and Three-Digit Measurement Subtraction Using the Standard Algorithm	3.NBT.1: Use place value understanding to round whole numbers to the nearest 10 or 100. 3.MD.1: Tell and write time to the nearest minute and measure time intervals in minutes. 3.MD.2: Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (L). 3.NBT.2: Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties, and/or the relationship between addition and subtraction.	Topic C-Parent Tips English Spanish Topic D-Parent Tips English Spanish Topic E-Parent Tips English Spanish
Module 3: Multiplication and		



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Division with Units od 0, 1, 6-9 and Multiples of 10		
Topic A: The Properties of Multiplication and Division	3.OA.3: Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities.	Topic A-Parent Tips English Spanish
Topic B: Multiplication and Division Using Units of 6 and 7	3.OA.4: Determine the unknown whole number in a multiplication or division equation relating three whole numbers.	Topic B-Parent Tips English Spanish
Topic C: Multiplication and Division Using Units up to 8	3.OA.5: Apply properties of operations as strategies to multiply and divide.	Topic C-Parent Tips English Spanish
Topic D: Multiplication and Division Using Units of 9	3.OA.7: Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division.	Topic D-Parent Tips English Spanish
Topic E: Analysis of Patterns and Problem Solving Including Units of 0 and 1	3.OA.8: Solve two-step word problems using the four operations.	Topic E-Parent Tips English Spanish
Topic F: Multiplication of single-digit factors and multiples of 10	3.OA.9: Identify arithmetic patterns and explain them using properties of multiplication.	Topic F-Parent Tips English Spanish
Topic F: Multiplication of single-digit factors and multiples of 10	3.NBT.3: Multiply one-digit whole numbers by multiples of 10 in the range 10-90 using strategies based on place value and properties of operations.	
Module 4: Multiplication and Area		
Topic A: Foundations for Understanding Area	3.MD.5: Recognize area as an attribute of plane figures and understand concepts of area measurement. 3.MD.6: Measure areas by counting unit squares (square cm, square m, square in,	Topic A-Parent Tips English Spanish



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Topic B: Concepts of Area Measurement	square ft, and improvised units.) 3.MD.7: Relate area to the operation of multiplication and addition.	Topic B-Parent Tips English Spanish
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Quarter 3		
Essential Question/Topic	Standards	Parent Resources
Finish Module 4: Multiplication and Area		
Topic C: Arithmetic Properties Using Area Models	3.MD.5: Recognize area as an attribute of plane figures and understand concepts of area measurement.	Topic C-Parent Tips English Spanish
Topic D: Applications of Area Using Side Lengths of Figures	3.MD.6: Measure areas by counting unit squares (square cm, square m, square in, square ft, and improvised units.) 3.MD.7: Relate area to the operation of multiplication and addition.	Topic D-Parent Tips English Spanish
Module 5: Fractions as Numbers on the Number Line		
Topic A: Partitioning a Whole into Equal Parts	3.G.2: Partition shapes into parts with equal areas.	Topic A-Parent Tips English Spanish
Topic B: Unit Fractions and their Relation to the Whole	3.NF.A.1: Understand a fraction $\frac{1}{b}$ as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction $\frac{a}{b}$ as the quantity formed by a parts of size $\frac{1}{b}$	Topic B-Parent Tips English Spanish
Topic C: Comparing Unit Fractions and Specifying the Whole	3.NF.2 Understand a fraction as a number on the number line; represent fractions on a number line diagram.	Topic C-Parent Tips English Spanish
Topic D: Fractions on the Number Line		Topic D-Parent Tips English Spanish



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Topic E: Equivalent Fractions Topic F: Comparison, Order, and Size of Fractions	3.NF.3: Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size. a. Understand two fractions as equivalent (equal) if they are the same size, or the same point on a number line. b. Recognize and generate simple equivalent fractions. c. Express whole numbers as fractions, and recognize fractions that are equivalent to whole numbers.	Topic E-Parent Tips English Spanish Topic F-Parent Tips English Spanish
Module 6: Collecting and Displaying Data		
Topic A: Generate and Analyze Categorical Data Topic B: Generate and Analyze Measurement Data	3.MD.B.3: Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs. 3.MD.B.4: Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units— whole numbers, halves, or quarters.	Topic A-Parent Tips English Spanish Topic B-Parent Tips English Spanish



Quarter 4		
Essential Question/Topic	Standards	Parent Resources
Module 7: Geometry and Measurement Word Problems		
Topic A: Solving Word Problems Topic B: Attributes of Two-Dimensional Figures Topic C: Problem Solving with Perimeter Topic D: Recording Perimeter and Area Data on Line Plots Topic E: Problem Solving with Perimeter	3.OA.D.8: Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding. 3.G.A.1: Understand that shapes in different categories (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides), and that the shared attributes can define a larger category (e.g., quadrilaterals). Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any of these subcategories. 3.MD.B.4: Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units— whole numbers, halves, or quarters. 3.MD.D.8: Solve real world and mathematical problems involving perimeters of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same	Topic A-Parent Tips English Spanish Topic B-Parent Tips English Spanish Topic C-Parent Tips English Spanish Topic D-Parent Tips English Spanish Topic E-Parent Tips English Spanish



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	perimeter and different areas or with the same area and different perimeters.	