



3rd Grade Math Curriculum Map

Unit 1 – Properties of Multiplication and Division

1-1 Multiplication as “Equal Groups of”

1-2 Multiplication Using Array Model

1-3 The Meaning of Factors

1-4 Division as an Unknown Factor: The Size of the Group

1-5 Division as an Unknown Factor: The Number of Groups

1-6 Multiplication Using Units of 2 and 3

1-6a The Commutativity of Multiplication

1-6b Adding and Subtracting Equal Groups in Array Models

1-6c Model the Distributive Property with Arrays

1-7 Division Using Unit of 2 and 3

1-7a Model Division as an Unknown Factor

1-7b Quotient as the Number of Groups or the Number of Objects in Each Group Using Units of 2

1-7b Quotient as the Number of Groups or the Number of Objects in Each Group Using Units of 3

1-8 Multiplication and Division Using Units of 4

1-8a Skip Counting to Multiply Units of 4

1-8b Model Commutative Property of Multiplication with Arrays and Tape Diagrams

1-8c The Relationship Between Multiplication and Division

1-9 Decomposing Units Using the Distributive Property

1-10 Problem Solving Using Units of 2-5, and 10



Unit 2 – Place Value, Measures of Time, Weight and Liquid Volume

- 2-1 Skip Counting By Five to Tell Time**
- 2-2 Tell Time to the Nearest Minute On the Clock**
- 2-3 Solve Problems Involving Time Intervals By Counting Backward and Forward**
- 2-4 Solve Problems Involving Time intervals By Adding and Subtracting on a Number Line**
- 2-5 Measuring Weight in Metric Units**
- 2-6 Measuring Liquid Volume in Metric Units**
- 2-7 Solve Problems Involving Weight, and Liquid Volume in Metric Units**
- 2-8 Round Two- and Three-Digit Numbers to the Nearest Ten**
- 2-9 Round Numbers to the Nearest Hundred**
- 2-10 Add Two- and Three-Digit Measurement Using the Standard Algorithm**
 - 2-10a Add Measurements to Compose Larger Units Once**
 - 2-10b Add Measurements to Compose Larger Units Twice**
 - 2-10c Estimating Sums by Rounding**
- 2-11 Subtract Two- and Three-Digit Measurement Using the Standard Algorithm**
 - 2-10a Decompose Once to Subtract Measurements**
 - 2-10b Decompose Twice to Subtract Measurements**
 - 2-10c Estimating Differences by Rounding**

Unit 3 – Multiplication and Division of with Units 0, 1, 6-9, and Multiples of 10.

- 3-1 Find Known Facts of 6, 7, 8, and 9 by Commutativity**
- 3-2 Relating Multiplication Facts Using the Commutative and Distributive Property**
- 3-3 Multiply and Divide Using a Letter to Represent the Unknown**
- 3-4 Multiplication and Division Using Units of 6 and 7**



- 3-4a Multiply by Counting Units of 6 and Divide Using Number Bonds
- 3-4b Multiply by Counting Units of 7 and Divide Using Number Bonds
- 3-4c Multiply and Divide Units of 6 and 7 Using the Distributive Property
- 3-4d Solve Problems Using Units of 6 and 7
- 3-5 Multiplication and Division Using Units of 8
 - 3-5a The Role of Parentheses
 - 3-5b Multiply Using the Associative Property
 - 3-5c Multiply and Divide Using the Distributive Property
 - 3-5d Solve Problems Using Units Up to 8
- 3-6 Multiplication and Division of Units of 9
 - 3-6a Multiply Using Arithmetic Patterns
 - 3-6b Solve Problems Using Units of 9
- 3-7 The Arithmetic Patterns in Multiplication and Division
- 3-8 The Multiplication Table
- 3-9 Solve Two-Step Word Problems Involving the Four Operations
- 3-10 Multiply by Multiples of 10
- 3-11 Solve Two-Step Word Problems in Multiplying Single-Digit Numbers by Multiples of 10

Unit 4 – Multiplication and Area

- 4-1 Compare Areas by Decomposing and Recomposing Shapes
- 4-2 Measure Area by Tiling with Unit Squares
- 4-3 The Relationship of Side Lengths with the Number of Tiles on a Side
- 4-4 Tiling with Unit Squares to Form a Rectangle
- 4-5 The Area of a Rectangle Given an Incomplete Array
- 4-6 Finding the Area of a Rectangle Using Multiplication
- 4-7 Finding the Total Area of a Larger Rectangle



- 4-8 Finding the Possible Whole Number Side Lengths of a Rectangle
- 4-9 Solve Problems Involving Area
- 4-10 Finding Areas by Decomposing or Completing Composite Figures

Unit 5 – Unit Fractions and One Whole

- 5-1 Naming and Counting Unit Fractions Using Concrete Models
- 5-2 Naming and Counting Unit Fractions Using Area Models
- 5-3 Identify Fractional Parts of a Whole
- 5-4 Identify Unit Fractions Numerically
- 5-5 Non-Unit Fractions Less than One Whole
- 5-6 Shaded and Non-Shaded Parts of One Whole as Fractions
- 5-7 Fractions Greater than One Whole
- 5-8 Comparing Unit Fractions
- 5-9 Place Fractions on a Number Line
- 5-10 Compare Fractions and Whole Numbers on a Number Line
- 5-11 Equivalent Fractions
- 5-12 Comparing Fractions with the Same Numerator Visually
- 5-13 Comparing Fractions with the Same Numerator Using $<$, $>$, and $=$

Unit 6 – Categorical and Measurement Data

- 6-1 Creating and Organizing Categorical Data
- 6-2 Draw Tape Diagrams to Represent Data
- 6-3 Creating Bar Graphs
- 6-4 Solve Problems Involving Graphs



- 6-5 Creating a Ruler with 1 Inch, $\frac{1}{2}$ Inch and $\frac{1}{4}$ Inch Intervals
- 6-6 Represent Measurement Data Using Line Plots
- 6-7 Data Analysis to Solve Problems

Unit 7 – Two-Dimensional Figures, Perimeter, and Area

- 7-1 Classify and Compare Quadrilaterals
- 7-2 Classify and Compare Polygons
- 7-3 Understand Perimeter by Decomposing Quadrilaterals
- 7-4 Measure Side Lengths to Determine the Perimeter of Polygons
- 7-5 Determine the Perimeter of Regular Polygons and Rectangles
- 7-6 Find the Perimeter of Rectangles Given the Number of Unit Squares
- 7-7 Find the Area of Rectangles Given the Perimeter
- 7-8 Solve Word Problems Involving Perimeter and Area