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3rd Grade Math Curriculum Map – with CCSS

Unit 1 – Properties of Multiplication and Division

1-1   Multiplication as "Equal Groups of"
CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.3

1-2   Multiplication Using Array Model
CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.3

1-3   The Meaning of Factors
CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.3

1-4   Division as an Unknown Factor: The Size of the Group
CCSS.MATH.CONTENT.3.OA.A.2
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.6

1-5   Division as an Unknown Factor: The Number of Groups
CCSS.MATH.CONTENT.3.OA.A.2
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.6

1-6   Multiplication Using Units of 2 and 3
1-6a The Commutativity of Multiplication
CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.5
1-6b Adding and Subtracting Equal Groups in Array Models
CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4

1-6c Model the Distributive Property with Arrays

CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.5

1-7   Division Using Unit of 2 and 3

1-7a Model Division as an Unknown Factor

CCSS.MATH.CONTENT.3.OA.A.2
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.6

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

CCSS.MATH.CONTENT.3.OA.A.2
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.6

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

CCSS.MATH.CONTENT.3.OA.A.2
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.6

1-8   Multiplication and Division Using Units of 4

1-8a Skip Counting to Multiply Units of 4

CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.5

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

CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.B.5

1-8c The Relationship Between Multiplication and Division

CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.5
CCSS.MATH.CONTENT.3.OA.B.6
CCSS.MATH.CONTENT.3.OA.C.7

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1-9   **Decomposing Units Using the Distributive Property**

CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.B.5

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

CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.C.7

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

2-1   **Skip Counting By Five to Tell Time**
CCSS.MATH.CONTENT.3.MD.A.1

2-2   **Tell Time to the Nearest Minute On the Clock**
CCSS.MATH.CONTENT.3.MD.A.1

2-3   **Solve Problems Involving Time Intervals By Counting Backward and Forward**
CCSS.MATH.CONTENT.3.MD.A.1

2-4   **Solve Problems Involving Time intervals By Adding and Subtracting on a Number Line**
CCSS.MATH.CONTENT.3.MD.A.1

2-5   **Measuring Weight in Metric Units**
CCSS.MATH.CONTENT.3.MD.A.2

2-6   **Measuring Liquid Volume in Metric Units**
CCSS.MATH.CONTENT.3.MD.A.2

2-7   **Solve Problems Involving Weight, and Liquid Volume in Metric Units**
CCSS.MATH.CONTENT.3.MD.A.2

2-8   **Round Two- and Three-Digit Numbers to the Nearest Ten**
CCSS.MATH.CONTENT.3.NBT.A.1

2-9   **Round Numbers to the Nearest Hundred**
CCSS.MATH.CONTENT.3.NBT.A.1

2-10   **Add Two- and Three-Digit Measurement Using the Standard Algorithm**
2-10a Add Measurements to Compose Larger Units Once
CCSS.MATH.CONTENT.3.NBT.A.2
CCSS.MATH.CONTENT.3.MD.A.2
2-10b Add Measurements to Compose Larger Units Twice
CCSS.MATH.CONTENT.3.NBT.A.2
CCSS.MATH.CONTENT.3.MD.A.2
2-10c Estimating Sums by Rounding
CCSS.MATH.CONTENT.3.NBT.A.1
CCSS.MATH.CONTENT.3.NBT.A.2
CCSS.MATH.CONTENT.3.MD.A.2

2-11   Subtract Two- and Three-Digit Measurement Using the Standard Algorithm

2-10a Decompose Once to Subtract Measurements

CCSS.MATH.CONTENT.3.NBT.A.2

CCSS.MATH.CONTENT.3.MD.A.2

2-10b Decompose Twice to Subtract Measurements

CCSS.MATH.CONTENT.3.NBT.A.2

CCSS.MATH.CONTENT.3.MD.A.2

2-10c Estimating Differences by Rounding

CCSS.MATH.CONTENT.3.NBT.A.1

CCSS.MATH.CONTENT.3.NBT.A.2

CCSS.MATH.CONTENT.3.MD.A.2

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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

CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.5

3-2   Relating Multiplication Facts Using the Commutative and Distributive Property

CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.5

3-3   Multiply and Divide Using a Letter to Represent the Unknown

CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.D.8

3-4   Multiplication and Division Using Units of 6 and 7

3-4a Multiply by Counting Units of 6 and Divide Using Number Bonds

CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.2
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4

3-4b Multiply by Counting Units of 7 and Divide Using Number Bonds

CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.2
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4

3-4c Multiply and Divide Units of 6 and 7 Using the Distributive Property

CCSS.MATH.CONTENT.3.OA.A.1
CCSS.MATH.CONTENT.3.OA.A.2
CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.OA.B.5

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3-11 **Solve Two-Step Word Problems in Multiplying Single-Digit Numbers by Multiples of 10**

CCSS.MATH.CONTENT.3.NBT.A.3

CCSS.MATH.CONTENT.3.OA.A.3

Unit 4 – Multiplication and Area

4-1   Compare Areas by Decomposing and Recomposing Shapes

CCSS.MATH.CONTENT.3.MD.C.5

4-2   Measure Area by Tiling with Unit Squares

CCSS.MATH.CONTENT.3.MD.C.5
CCSS.MATH.CONTENT.3.MD.C.5.A
CCSS.MATH.CONTENT.3.MD.C.5.B
CCSS.MATH.CONTENT.3.MD.C.6
CCSS.MATH.CONTENT.3.MD.C.7.A

4-3   The Relationship of Side Lengths with the Number of Tiles on a Side

CCSS.MATH.CONTENT.3.MD.C.5.A
CCSS.MATH.CONTENT.3.MD.C.6
CCSS.MATH.CONTENT.3.MD.C.7.A

4-4   Tiling with Unit Squares to Form a Rectangle

CCSS.MATH.CONTENT.3.MD.C.5.A
CCSS.MATH.CONTENT.3.MD.C.5.B
CCSS.MATH.CONTENT.3.MD.C.6

4-5   The Area of a Rectangle Given an Incomplete Array

CCSS.MATH.CONTENT.3.MD.C.5
CCSS.MATH.CONTENT.3.MD.C.5.B
CCSS.MATH.CONTENT.3.MD.C.6

4-6   Finding the Area of a Rectangle Using Multiplication

CCSS.MATH.CONTENT.3.MD.C.5
CCSS.MATH.CONTENT.3.MD.C.7
CCSS.MATH.CONTENT.3.MD.C.7.B

4-7   Finding the Total Area of a Larger Rectangle

CCSS.MATH.CONTENT.3.MD.C.7
CCSS.MATH.CONTENT.3.MD.C.7.B
CCSS.MATH.CONTENT.3.MD.C.7.C

4-8   Finding the Possible Whole Number Side Lengths of a Rectangle

CCSS.MATH.CONTENT.3.OA.A.3
CCSS.MATH.CONTENT.3.OA.A.4
CCSS.MATH.CONTENT.3.MD.C.7.B

4-9 **Solve Problems Involving Area**

CCSS.MATH.CONTENT.3.MD.C.7.B

4-10 **Finding Areas by Decomposing or Completing Composite Figures**

CCSS.MATH.CONTENT.3.MD.C.7.B
CCSS.MATH.CONTENT.3.MD.C.7.D

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Unit 5 – Unit Fractions and One Whole

5-1 **Naming and Counting Unit Fractions Using Concrete Models**

CCSS.MATH.CONTENT.3.NF.A.1

CCSS.MATH.CONTENT.3.G.A.2

5-2 **Naming and Counting Unit Fractions Using Area Models**

CCSS.MATH.CONTENT.3.NF.A.1

CCSS.MATH.CONTENT.3.G.A.2

5-3 **Identify Fractional Parts of a Whole**

CCSS.MATH.CONTENT.3.NF.A.1

CCSS.MATH.CONTENT.3.G.A.2

5-4 **Identify Unit Fractions Numerically**

CCSS.MATH.CONTENT.3.NF.A.1

CCSS.MATH.CONTENT.3.G.A.2

5-5 **Non-Unit Fractions Less than One Whole**

CCSS.MATH.CONTENT.3.NF.A.1

CCSS.MATH.CONTENT.3.G.A.2

5-6 **Shaded and Non-Shaded Parts of One Whole as Fractions**

CCSS.MATH.CONTENT.3.NF.A.1

CCSS.MATH.CONTENT.3.G.A.2

CCSS.MATH.CONTENT.3.NF.A.3.C

5-7 **Fractions Greater than One Whole**

CCSS.MATH.CONTENT.3.NF.A.1

CCSS.MATH.CONTENT.3.G.A.2

CCSS.MATH.CONTENT.3.NF.A.3.C

5-8 **Comparing Unit Fractions**

CCSS.MATH.CONTENT.3.NF.A.3.D

5-9 **Place Fractions on a Number Line**

CCSS.MATH.CONTENT.3.NF.A.2

CCSS.MATH.CONTENT.3.NF.A.2.A

CCSS.MATH.CONTENT.3.NF.A.2.B

5-10 **Compare Fractions and Whole Numbers on a Number Line**

CCSS.MATH.CONTENT.3.NF.A.3.D

5-11 **Equivalent Fractions**

CCSS.MATH.CONTENT.3.NF.A.3
CCSS.MATH.CONTENT.3.NF.A.3.A
CCSS.MATH.CONTENT.3.NF.A.3.B
CCSS.MATH.CONTENT.3.NF.A.3.C

5-12 **Comparing Fractions with the Same Numerator Visually**

CCSS.MATH.CONTENT.3.NF.A.3.D

5-13 **Comparing Fractions with the Same Numerator Using <, >, and =**

CCSS.MATH.CONTENT.3.NF.A.3.D

Unit 6 – Categorical and Measurement Data

6-1 **Creating and Organizing Categorical Data**
CCSS.MATH.CONTENT.3.MD.B.3

6-2 **Draw Tape Diagrams to Represent Data**
CCSS.MATH.CONTENT.3.MD.B.3

6-3 **Creating Bar Graphs**
CCSS.MATH.CONTENT.3.MD.B.3

6-4 **Solve Problems Involving Graphs**
CCSS.MATH.CONTENT.3.MD.B.3

6-5 **Creating a Ruler with 1 Inch, $\frac{1}{2}$ Inch and $\frac{1}{4}$ Inch Intervals**
CCSS.MATH.CONTENT.3.MD.B.4

6-6 **Represent Measurement Data Using Line Plots**
CCSS.MATH.CONTENT.3.MD.B.4

6-7 **Data Analysis to Solve Problems**
CCSS.MATH.CONTENT.3.MD.B.4

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

7-1 **Classify and Compare Quadrilaterals**

CCSS.MATH.CONTENT.3.G.A.1

7-2 **Classify and Compare Polygons**

CCSS.MATH.CONTENT.3.G.A.1

7-3 **Understand Perimeter by Decomposing Quadrilaterals**

CCSS.MATH.CONTENT.3.G.A.1
CCSS.MATH.CONTENT.3.MD.D.8

7-4 **Measure Side Lengths to Determine the Perimeter of Polygons**

CCSS.MATH.CONTENT.3.G.A.1
CCSS.MATH.CONTENT.3.MD.D.8

7-5 **Determine the Perimeter of Regular Polygons and Rectangles**

CCSS.MATH.CONTENT.3.G.A.1
CCSS.MATH.CONTENT.3.MD.D.8

7-6 **Find the Perimeter of Rectangles Given the Number of Unit Squares**

CCSS.MATH.CONTENT.3.G.A.1
CCSS.MATH.CONTENT.3.MD.D.8

7-7 **Find the Area of Rectangles Given the Perimeter**

CCSS.MATH.CONTENT.3.G.A.1
CCSS.MATH.CONTENT.3.MD.D.8

7-8 **Solve Word Problems Involving Perimeter and Area**

CCSS.MATH.CONTENT.3.G.A.1
CCSS.MATH.CONTENT.3.MD.D.8