

Math Topics for 3rd Grade

We learn something new everyday in Math. If your child misses school, they will be missing one of these lessons. Please do your best to ensure your child is at school and on time every day.

<u>Module 1: Understand Multiplication</u>	<u>Module 2: Relate Multiplication and Area</u>	<u>Module 3: Understand Multiplication Strategies</u>	<u>Module 4: Apply Multiplication Properties as Strategies</u>	<u>Module 5: Multiplication with Multiples of 10</u>
1.1 Count Equal Groups	2.1 Understand Area by Counting Unit Squares	3.1 Multiply with 2 and 4	4.1 Understand the Identity and Zero Properties of Multiplication	5.1 Use the Distributive Property
1.2 Relate Addition and Multiplication	2.2 Measure Area by Counting Unit Squares	3.2 Multiply with 5 and 10	4.2 Understand the Distributive Property	5.2 Use the Associative Property of Multiplication
1.3 Represent Multiplication with Arrays	2.3 Relate Area to Addition and Multiplication	3.3 Multiply with 3 and 6	4.3 Understand the Associative Property of Multiplication	5.3 Use Place-Value Strategies to Multiply with Multiples of 10
1.4 Understand the Commutative Property of Multiplication	2.4 Solve Problems with Area		4.4 Multiply with 7	5.4 Multiply Multiples of 10 by 1-Digit Numbers
1.5 Represent Multiplication with Number Lines	2.5 Find the Area of Combined Rectangles		4.5 Multiply with 8	
1.6 Represent Multiplication with Bar Models			4.6 Multiply with 9	
			4.7 Identify Multiplication Patterns on the Multiplication Table	

<u>Module 6: Understand Division</u>	<u>Module 7: Relate Multiplication and Division</u>	<u>Module 8: Apply Multiplication and Division</u>	<u>Module 9: Addition and Subtraction Strategies</u>	<u>Module 10: Addition and Subtraction Within 1,000</u>
6.1 Represent Division	7.1 Relate Multiplication and Division	8.1 Identify and Extend Patterns	9.1 Identify Number Patterns on the Addition Table	10.1 Use Expanded Form to Add
6.2 Separate Objects into Equal Groups	7.2 Write Related Facts	8.2 Find Unknown Factors and Numbers	9.2 Use Mental Math Strategies for Addition and Subtraction	10.2 Use Place Value to Add
6.3 Find the Number of Equal Groups	7.3 Multiply and Divide with 2, 4, and 8	8.3 Use Multiplication and Division to Solve Problem Situations	9.3 Use Properties to Add	10.3 Combine Place Values to Subtract
6.4 Relate Subtraction and Division	7.4 Multiply and Divide with 5 and 10	8.4 Solve Two-Step Problems	9.4 Use Mental Math to Assess Reasonableness	10.4 Use Place Value to Subtract
6.5 Represent Division with Arrays	7.5 Multiply and Divide with 3 and 6	8.5 Practice with One- and Two-Step Problems	9.5 Round to the Nearest Ten or Hundred	10.5 Choose a Strategy to Add or Subtract
6.6 Represent Division with Bar Models	7.6 Multiply and Divide with 7 and 9		9.6 Use Estimation with Sums and Differences	10.6 Model and Solve Two-Step Problems
6.7 Apply Division Rules for 1 and 0	7.7 Build Fluency with Multiplication and Division			

<p><u>Module 11: Understand Perimeter</u></p> <p>11.1 Describe Perimeter</p> <p>11.2 Find Perimeter</p> <p>11.3 Find Unknown Side Lengths</p> <p>11.4 Represent Rectangles with the Same Area and Different Perimeters</p> <p>11.5 Represent Rectangles with the Same Perimeter and Different Areas</p>	<p><u>Module 12: Time Measurement and Intervals</u></p> <p>12.1 Tell and Write Time to the Minute</p> <p>12.2 Use a.m. and p.m. to Describe Time</p> <p>12.3 Measure Time Intervals</p> <p>12.4 Find Start and End Times</p> <p>12.5 Solve Time Interval Problems</p>	<p><u>Module 13: Understand Fractions as Numbers</u></p> <p>13.1 Describe Equal Parts of a Whole</p> <p>13.2 Represent and Name Unit Fractions</p> <p>13.3 Represent and Name Fractions of a Whole</p> <p>13.4 Represent and Name Fractions on a Number Line</p> <p>13.5 Express Whole Numbers as Fractions</p> <p>13.6 Represent and Name Fractions Greater Than 1</p> <p>13.7 Use Fractions to Measure Lengths</p>	<p><u>Module 14: Relate Shapes, Fractions, and Area</u></p> <p>14.1 Relate Fractions and Area</p> <p>14.2 Partition Shapes into Equal Areas</p> <p>14.3 Use Unit Fractions to Describe Area</p>	<p><u>Module 15: Compare Fractions</u></p> <p>15.1 Compare Fractions Using Concrete and Visual Models</p> <p>15.2 Compare Fractions with the Same Denominator</p> <p>15.3 Compare Fractions with the Same Numerator</p> <p>15.4 Use Reasoning Strategies to Compare Fractions</p>
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<p><u>Module 16: Understand Equivalent Fractions</u></p> <p>16.1 Represent Equivalent Fractions with Smaller Parts</p> <p>16.2 Represent Equivalent Fractions with Larger Parts</p> <p>16.3 Recognize and Generate Equivalent Fractions</p>	<p><u>Module 17: Liquid Volume and Mass</u></p> <p>17.1 Estimate and Measure Liquid Volume</p> <p>17.2 Estimate and Measure Mass</p> <p>17.3 Solve Problems About Liquid Volume and Mass</p>	<p><u>Module 18: Represent and Interpret Data</u></p> <p>18.1 Use Picture Graphs</p> <p>18.2 Make Picture Graphs</p> <p>18.3 Use Bar Graphs</p> <p>18.4 Make Bar Graphs</p> <p>18.5 Use Line Plots to Display Measurement Data</p> <p>18.6 Make Line Plots to Display Measurement Data</p> <p>18.7 Solve One- and Two-Step Problems Using Data</p>	<p><u>Module 19: Define Two-Dimensional Shapes</u></p> <p>19.1 Describe Shapes</p> <p>19.2 Describe Angles in Shapes</p> <p>19.3 Describe Sides of Shapes</p> <p>19.4 Define Quadrilaterals</p>	<p><u>Module 20: Categorize Two-Dimensional Shapes</u></p> <p>20.1 Draw Quadrilaterals</p> <p>20.2 Categorize Quadrilaterals</p> <p>20.3 Categorize Plane Shapes</p>
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