

Grade 4 Math Timeline

Content Area: **Mathematics**
 Course(s): **Math 4**
 Time Period: **36 Weeks**
 Length: **180 days**
 Status: **Published**

Mandated Course of Study/Topical Outline with Timeline

Unit	Topic	Days
Extending Place Value & Addition/Subtraction	<ul style="list-style-type: none"> • Numbers Through One Million • Place Value • Compare Whole Numbers • Round Whole Numbers • Estimating Sums and Differences • Add & Subtract Whole Numbers • Add & Subtract Greater Numbers • Subtract Across Zeros • Problem Solving 	23
Multiplying with Whole Numbers	<ul style="list-style-type: none"> • Multiply by Multiples of 10, 100, & 1,000 • Estimating Products • Use Arrays, Area Models and Partial Products to Multiply • Mental Math Strategies for Multiplication • Problem Solving • Use Models to Multiply 2-Digit Numbers by Multiples of 10 • Estimating: Use Rounding or Compatible Numbers • Arrays, Area Models and Partial Products • Use Partial Products to Multiply by 2- Digit Numbers 	23
Dividing with Whole Numbers	<ul style="list-style-type: none"> • Mental Math: Find Quotients, Estimate Quotients & Estimate Quotients for Greater 	31

	<p>Dividends</p> <ul style="list-style-type: none"> • Interpret Remainders • Use Partial Quotients to Divide • Use Partial Quotients to Divide: Greater Dividends • Use Sharing to Divide • Problem Solving • Solve Comparison Problems • Model & Solve Multi-Step Problems 	
Building Understanding of Equivalent Fractions	<ul style="list-style-type: none"> • Understand Factors • Factors • Problem Solving • Prime and Composite Numbers • Multiples • Equivalent Fractions: Area Models, Number Lines, Multiplication, Division • Use Benchmark to Compare Fractions • Compare Fractions 	21
Operations with Fractions	<ul style="list-style-type: none"> • Model Addition of Fractions • Decompose Fractions • Add Fractions with Like Denominators • Model Subtraction of Fractions • Subtract Fractions with Like Denominators • Model Addition and Subtraction of Mixed Numbers • Add & Subtract Mixed Numbers • Problem Solving • Fractions as Multiples of Unit Fractions • Multiply a Fraction by a Whole Number: Models, Symbols • Solve Time Problems 	20

Measurement & Data	<ul style="list-style-type: none"> • Read Line Plots • Make Line Plots • Use Line Plots to Solve Problems • Problem Solving • Equivalence with Customary Units of Length, Capacity & Weight • Equivalence with Metric Units of Length, Capacity & Mass • Solve Perimeter and Area Problems 	17
Decimals and Patterns	<ul style="list-style-type: none"> • Fractions and Decimals • Fractions and Decimals on the Number Line • Compare Decimals • Add Fractions with Denominators of 10 and 100 • Solve Word Problem Involving Money • Problem Solving • Number Sequences • Patterns: Number Rules, Repeating Shapes 	13
Geometry	<ul style="list-style-type: none"> • Lines, Rays, and Angles • Understand Angles and Unit Angles • Measure with Unit Angles • Measure and Draw Angles • Add and Subtract Angle Measures • Problem Solving • Lines • Classify Triangles • Classify Quadrilaterals • Line Symmetry • Draw Shapes with Line Symmetry 	15
Step Up To Grade 5	<ul style="list-style-type: none"> • Understand Decimal Place Value • Compare Decimals • Use Models to Add and 	17

	<p>Subtract Decimals</p> <ul style="list-style-type: none">• Estimate the Product of a Decimal and a Whole Number• Find Common Denominators• Add Fractions with unlike Denominators• Subtract Fractions with Unlike Denominators• Multiply a Whole Number by a Fraction• Divide Whole Numbers by Unit Fractions• Model Volume	
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