



4th Grade Math Year At a Glance

	Content and Skills	Major Domains Addressed
All	<ul style="list-style-type: none"> Ⓢ Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Ⓢ Fluently add and subtract within 1,000,000 Ⓢ Math Facts 	<ul style="list-style-type: none"> Ⓢ Operations and Algebraic Thinking
Quarter 1	<ul style="list-style-type: none"> Ⓢ Understanding place value of a multi-digit whole number Ⓢ Compare two multi-digit numbers based on meanings of the digits in each place Ⓢ Use place value understanding to round multi-digit whole numbers to any place Ⓢ Fluently add and subtract multi-digit whole numbers using the standard algorithm Ⓢ Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations Ⓢ Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors 	<ul style="list-style-type: none"> Ⓢ Operations and Algebraic Thinking Ⓢ Numbers Base Ten
Quarter 2	<ul style="list-style-type: none"> Ⓢ Use models and facts to determine if one number is a factor/multiple of another number Ⓢ Explore divisibility rule and patterns Ⓢ Determine if a number is prime or composite Ⓢ Generate and describe number patterns Ⓢ Use models, multiplication and division to generate equivalent fractions Ⓢ Identify and generate fractions that are in simplest form Ⓢ Compare and order fractions using common denominators and benchmarks Ⓢ Decompose fractions by writing it as a sum of fractions with the same denominator Ⓢ Use a variety of strategies and add and subtract fractions and mixed numbers 	<ul style="list-style-type: none"> Ⓢ Operations and Algebraic Thinking Ⓢ Numbers and Operations–Fractions Ⓢ Numbers Base Ten

Quarter 3	<ul style="list-style-type: none"> Ⓢ Write a fraction as a product of a unit fraction and a whole number Ⓢ Use a variety of strategies to multiply a fraction by a whole number Ⓢ To record tenths and hundredths in fraction and decimal notation Ⓢ Translate among representations of fractions, decimals, and money Ⓢ To compare decimals to hundredths by reasoning about their size Ⓢ Identify and draw: points, lines, line segments, rays, angles, parallel lines and perpendicular lines Ⓢ Sort and classify triangles and quadrilaterals Ⓢ Identify and draw lines of symmetry in 2-D figures Ⓢ Relate angles and fractional parts of circles Ⓢ Use a protractor to measure and draw angles Ⓢ Use benchmarks to understand size of different units of measure Ⓢ Use models to compare customary and metric units of length, weight, and volume Ⓢ Use models to compare units of time and determine elapsed time 	<ul style="list-style-type: none"> Ⓢ Operations and Algebraic Thinking Ⓢ Numbers and Fractions Ⓢ Measurement and Data Ⓢ Geometry
Quarter 4	<ul style="list-style-type: none"> Ⓢ Use a formula to find the perimeter and area of rectangles and combined rectangles Ⓢ Work backwards to the length of a side given the perimeter or area of a figure Ⓢ Beginning Grade 5 Skills 	<ul style="list-style-type: none"> Ⓢ Measurement and Data Ⓢ Numbers and Fractions Ⓢ Numbers Base Ten Ⓢ Operations and Algebraic Thinking