



## 4<sup>th</sup> Grade Math Year At a Glance

	Content and Skills	Major Domains Addressed
All	<ul style="list-style-type: none"> <li>④ 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.</li> <li>④ Fluently add and subtract within 1,000,000</li> <li>④ Math Facts</li> </ul>	<ul style="list-style-type: none"> <li>④ Operations and Algebraic Thinking</li> </ul>
Quarter 1	<ul style="list-style-type: none"> <li>④ Understanding place value of a multi-digit whole number</li> <li>④ Compare two multi-digit numbers based on meanings of the digits in each place</li> <li>④ Use place value understanding to round multi-digit whole numbers to any place</li> <li>④ Fluently add and subtract multi-digit whole numbers using the standard algorithm</li> <li>④ 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</li> <li>④ Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors</li> </ul>	<ul style="list-style-type: none"> <li>④ Operations and Algebraic Thinking</li> <li>④ Numbers Base Ten</li> </ul>
Quarter 2	<ul style="list-style-type: none"> <li>④ Use models and facts to determine if one number is a factor/multiple of another number</li> <li>④ Explore divisibility rule and patterns</li> <li>④ Determine if a number is prime or composite</li> <li>④ Generate and describe number patterns</li> <li>④ Use models, multiplication and division to generate equivalent fractions</li> <li>④ Identify and generate fractions that are in simplest form</li> <li>④ Compare and order fractions using common denominators and benchmarks</li> <li>④ Decompose fractions by writing it as a sum of fractions with the same denominator</li> <li>④ Use a variety of strategies and add and subtract fractions and mixed numbers</li> </ul>	<ul style="list-style-type: none"> <li>④ Operations and Algebraic Thinking</li> <li>④ Numbers and Operations-Fractions</li> <li>④ Numbers Base Ten</li> </ul>



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