

Unit	<p style="text-align: center;"><b>4th: Unit 4- Multiplication and Division</b>  <b>Properties and Strategies</b>  <b>Math Investigations: Multiple Towers &amp; Division Stories</b>  <b>Standards for Grade 4</b></p> <p><u>UNIT 1</u>= Addition and Subtraction of Large Numbers <u>UNIT 2</u>= Facts, Factors, and Multiples  <u>UNIT 3</u>= Measurement, and Relationships in Geometry <u>UNIT 4</u>= Multiplication &amp; Division Properties and Strategies <u>UNIT 5</u>= Comparison and Operations with Fractions <u>UNIT 6</u>= Decimals <u>UNIT 7</u>= Multiplication and Division with Large Numbers <u>UNIT 8</u>= Units of Measurement <u>UNIT 9</u>= Shape and Number Patterns</p>
4,7,2	<p><b>4.OA.1 Interpret a multiplication equation as a comparison, e.g., interpret <math>35 = 5 \times 7</math> as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.</b></p>
4,7,2	<p><b>4.OA.2 Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison.</b></p>
4,7,9,2	<p><b>4.OA.3 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. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.</b></p>
4,2	<p><b>4.OA.4 Find all factor pairs for a whole number in the range 1-100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1-100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1-100 is prime or composite.</b></p>
4,7	<p><b>4.NBT.5 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. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</b></p>
4,7,9	<p><b>4.NBT.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</b></p>