

Unit	<p style="text-align: center;">4th: Unit 7- Multiplication and Division with Large Numbers</p> <p style="text-align: center;">Math Investigations: How Many Packages? How Many Groups? Standards for Grade 4</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 & 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>
7,2,4	4.OA.1 Interpret a multiplication equation as a comparison, e.g., interpret $35 = 5 \times 7$ 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.
7,2,4	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.
7,9,2,4	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.
7,9	4.OA.5 Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself. <i>For example, given the rule "Add 3" and the starting number 1, generate terms in the resulting sequence and observe that the terms appear to alternate between odd and even numbers. Explain informally why the numbers will continue to alternate in this way.</i>
7,9,1	4.NBT.3 Use place value understanding to round multi-digit whole numbers to any place.
7,4	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.
7,9,4	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.
7,8,1,3,5,6	4.MD.2 Use the four operations to solve word problems involving distances, interval of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.