

<b>Pacing Guide: Basic Math – 1<sup>st</sup> Tri</b>					
<b>Content and Duration</b>	<b>Content Expectation (GLCE/HSCE)</b>	<b>Student Learning Targets</b>	<b>Content Vocabulary</b>	<b>Required Activities</b>	<b>Common Assessments and Rubrics</b>
Order of Operations (2 weeks – review throughout the trimester)		The students will demonstrate the ability to solve given problems using the correct order of operations with and without a calculator.	Parenthesis Exponents Multiplication Division Addition Subtraction PEMDAS	-Create a PEMDAS visual -Complete warm ups used as review -Complete given assignments	-Informal testing – whole group work, assignments -Visuals -Quizzes/Tests
Place Value (2-3 days - review throughout the trimester )	<b>N.ME.03.02</b> Identify the place value of a digit in a number. <b>N.ME.04.02</b> Compose and decompose numbers using place value to 1,000,000's. <b>N.FL.04.36</b> Make appropriate estimations and calculations fluently with whole numbers using mental math strategies	The students will be able to determine place value for a given number.  The students will be able to round a whole number to a given place value.	Place values Tens Hundreds Thousands Ten- thousands Hundred- thousands Millions Rounding Estimating	-Create a Place Value visual with rounding instructions -Complete warm ups used a review -Complete given assignments	-Informal testing – whole group work, assignments -Visuals -Quizzes/Tests
Integer Numbers (2 weeks – review throughout the trimester)	<b>N.MR.06.08</b> Understand integer subtraction as the inverse of integer addition. Understand integer division as the inverse of integer multiplication. <b>N.FL.06.09</b> Add and multiply integers between -100 and 100; subtract and divide integers using the	The students will be able to demonstrate the ability to compare integers with the signs for less than, more than, or equal to.  The students will be able to add, subtract, multiple, and divide	Number line Negative Positive Less than More than Equal	-Create a number line visual -Complete warm ups used a review -Complete given assignments	Informal testing – whole group work, assignments -Visuals -Quizzes/Tests

	<p>related facts. Use the number line addition and subtraction.</p> <p><b>N.ME.02.03</b> Compare and order numbers from -1000 to 1000; use the symbols &gt; and &lt;.</p>	<p>integers. The students will be able to explain the definition of negative numbers and how negative numbers fit on a number line.</p>			
<p>Fractions (2 weeks – review throughout the trimester)</p>	<p><b>N.ME.04.20</b> Understand fractions as parts of a set of objects.</p> <p><b>N.MR.04.25</b> Write improper fractions as mixed numbers, and understand that a mixed number represents the number of “wholes” and the part of a whole remaining.</p> <p><b>N.FL.05.14</b> Add and subtract fractions with unlike denominators through 12 and/or 100, using the common denominator that is the product of the denominators of the 2 fractions</p> <p><b>N.FL.06.04</b> Multiply and divide any two fractions, including mixed numbers, fluently.</p>	<p>The students will demonstrate the ability to reduce fractions.</p> <p>The students will demonstrate the ability to convert improper fractions to mixed fraction and mixed fractions to improper fractions.</p> <p>The students will add, subtract, multiple, and divide fractions.</p> <p>The students will demonstrate the ability to compare fractions.</p>	<p>Numerator Denominator Proper Fractions Improper Fractions Mixed Fractions</p>	<p>-Create a fractions visual -Complete warm ups used a review -Complete given assignments</p>	<p>Informal testing – whole group work, assignments -Visuals -Quizzes/Tests</p>
<p>Decimals (2 weeks – review throughout the trimester)</p>	<p><b>N.MR.04.31</b> For problems that use addition and subtraction of decimals through hundredths, represent with mathematical statements and solve.</p>	<p>The students will be able to determine place value for a given decimal.</p> <p>The students will add, subtract, multiple, and</p>	<p>Decimal point</p>	<p>Create a decimals visual -Complete warm ups used a review -Complete given</p>	<p>Informal testing – whole group work, assignments -Visuals -Quizzes/Tests</p>

	<b>N.FL.04.32</b> Add and subtract decimals through hundredths.	divide decimals.  The students will demonstrate the ability to compare decimals.		assignments	
Exponents (1 week – review throughout the trimester))	<b>N.ME.06.16</b> Understand and use integer exponents, excluding powers of negative bases; express numbers in scientific notation	<p>The students will identify the <b>base</b> and <b>exponent</b> in the notation for powers and exponents.</p> <p>The students will evaluate powers that have integer exponents equal or greater than 1.</p> <p>The students will evaluate powers that have negative integer exponents.</p> <p>The students will describe the meaning of the square root of a number.</p> <p>The students will describe how scientific notation uses powers of 10.</p> <p>The students will express any number using scientific notation.</p>	<p>Base Exponent Power Square root Scientific notation</p>	<p>-Create a exponents visual -Complete warm ups used a review -Complete given assignments</p>	<p>Informal testing – whole group work, assignments -Visuals -Quizzes/Tests</p>

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