

**Grade 6 Unit 1: The Number System- Learning Plan**

<p><b>No more than 5 weeks</b></p>	<p align="center"><b>Learning Target 1: I can determine the GCF of 2 or more whole numbers. 6.NS.4, 6.NS. 2</b></p>	
	<p>Period 1</p>	<p>I can identify factor pairs of a whole number.</p>
<p>Period 1</p>	<p>I can distinguish between prime &amp; composite numbers.</p>	
<p>Period 2</p>	<p>I can find the prime factorization of a whole number in exponential form.</p>	
<p>Period 3</p>	<p>I can determine the GCF of 2 or more whole numbers.</p>	
<p><b>Unit Synopsis:</b> In this unit students will explore the number system. Initially, they will learn that <b>factors</b> break a number down evenly. They will explore and develop their understanding of the fact that certain numbers have many factors (<b>composite</b> numbers), while others only have 2 factors (<b>prime</b> numbers). Students will identify the <b>greatest common factor</b> of 2 or more whole numbers. Students will learn that <b>multiples</b> are the <b>products</b> that result from multiplying a given number or numbers by other whole numbers. Students will determine the <b>least common multiple</b> of 2 or more whole numbers. Students will apply their knowledge of factors and multiples to solve real world problems. Students will utilize the <b>distributive property</b> to create equivalent numerical expressions. Students will build on their current understanding of number lines to include the ordering of <b>integers</b> and <b>rational numbers</b>. Students will understand how to compare rational numbers, as well as how to relate rational numbers to real life situations.</p>	<p align="center"><b>Learning Target 2: I can determine the LCM of two or more whole numbers. 6.NS.4</b></p>	
	<p>Period 4</p>	<p>I can list the multiples of a whole number.</p>
<p>Period 4</p>	<p>I can determine the LCM of 2 or more whole numbers.</p>	
<p><b>Learning Target 3: I can recognize situations where or GCF or LCM is required. 6.NS.4, MP. 1</b></p>	<p align="center"><b>Learning Target 3: I can recognize situations where or GCF or LCM is required. 6.NS.4, MP. 1</b></p>	
	<p>Period 5</p>	<p>I can apply GCF to real-life situations.</p>
<p>Period 6</p>	<p>I can apply LCM to real-life situations.</p>	
<p>Period 7</p>	<p>I can recognize when GCF or LCM is required.</p>	
<p>Period 8</p>		
<p>Period 9</p>		
<p><b>Learning Target 4: I can generate equivalent numerical expressions according to the distributive property. 6.NS.4</b></p>	<p align="center"><b>Learning Target 4: I can generate equivalent numerical expressions according to the distributive property. 6.NS.4</b></p>	
	<p>Period 10</p>	<p>I can evaluate numerical expressions using the order of operations.</p>
	<p>Period 11</p>	<p>I can simplify expressions using the distributive property</p>
	<p>Period 12</p>	<p>I can factor whole number expressions</p>

<b>Learning Target 5: I can compare and order integers. 6.NS.5, 6.NS.6, 6.NS.7</b>	
Period 13	I can identify an integer.
Period 13	I can determine the absolute value of an integer.
Period 14	I can compare two integers using $<$ , $>$ and $=$ .
Period 15	I can order a set of integers.
Period 16	I can apply integers to real world situations.
Period 17	
<b>Learning Target 6: I can compare and order decimals. 6.NS.6</b>	
Period 18	I can identify place values.
Period 18	I can compare two decimals using $<$ , $>$ and $=$ .
Period 19	I can order a set of decimals.
Period 20	I can apply decimals to real world situations.
Period 21	<b>Mastery Quiz 2</b>
<b>Learning Target 7: I can compare and order fractions. 6.NS.6</b>	
Period 22	I can identify the parts of a fraction.
Period 22	I can create equivalent fractions.
Period 23	I can find the least common denominator of two or more fractions.
Period 24	I can compare two fractions using $<$ , $>$ or $=$ .

	Period 25	I can order a set of fractions.
	Period 26	I can apply fractions to real world situations.
	<b>Learning Target 8: I can convert between fractions and decimals.</b>	
	Period 27	I can use long division to convert a fraction to a decimal.
	Period 28	I can use place value to convert a decimal to a fraction in simplest form.
	Period 29	I can solve real world problems involving fractions & decimals.
	Period 30	<b>Unit 1 Mastery Quiz 3</b>
	Period 31	Miscellaneous: <i>Teacher created quizzes</i> <i>Spiral</i> <i>Review</i> <i>Completing activities</i>
	Period 32	
	Period 33	
	Period 34	<b>Unit 1 Post Test</b>
	Period 35	
	Period 36	<b>Unit 1 Performance Task</b>