

Subject	6th grade Math
Nine Week	First Nine Weeks
Standard	<p>6.NS.B.2 - Fluently divide multi-digit numbers using the standard algorithm.</p> <p>6.NS.B.3 - Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.</p> <p>6.NS.B.4- Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12.</p> <p>6.NS.A.1 - Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions.</p> <p>6.NS.C.6 - Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates.</p> <p>6.NS.C.5 - Understand that positive and negative numbers are used together to describe quantities having opposite directions or values (e.g., temperature above/below zero, elevation above/below sea level, credits/debits, positive/negative electric charge).</p> <p>6.NS.C.8 - Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.</p> <p>6.NS.C.7 - Understand ordering and absolute value of rational numbers.</p>
Objectives	<p>Students can fluently divide multi-digit numbers using the standard algorithm.</p> <p>Students can fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.</p> <p>Students can find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12.</p> <p>Students can Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions.</p> <p>Students understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates.</p> <p>Students can solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.</p> <p>Students understand ordering and absolute value of rational numbers.</p>

	Students understand that positive and negative numbers are used together to describe quantities having opposite directions or values.
Topics	<p>Long division</p> <p>Operations with decimals</p> <p>Dividing fractions</p> <p>Greatest common factor/Least common multiple</p> <p>Integers</p> <p>Absolute Value</p> <p>Graphing</p>
Major Assignment/s	<p>Common Assessment #1</p> <p>Math “About Me” Project</p> <p>Integer timeline Project</p> <p>Common Assessment #2</p>
Instructional Materials	<p>Engage New York -</p> <p>https://www.engageny.org/resource/grade-6-mathematics-module-2</p> <p>Operations with decimals flipchart</p> <p>Operations with decimals foldable</p> <p>Video - <i>How to Find the Greatest Common Factor</i></p> <p>Video - <i>How to Find the Least Common Multiple Using Prime Factorization</i></p> <p>Flocabulary - <i>Dividing Fractions</i></p> <p>PowerPoint – Integers</p> <p>PowerPoint – Graphing</p> <p>Graphing Game – Battleship –</p> <p>http://static.zerorobotics.mit.edu/docs/ms/CoordinateGraphBattleship.pdf</p>
Assessment(s)	<p>Vocabulary quiz on long division</p> <p>Quiz on division and operations with decimals</p> <p>Quiz on dividing fractions</p> <p>Quiz on greatest common factor (GCF) and least common multiply (LCM)</p> <p>Test on 6.NS.1 – 6.NS.4</p> <p>Quiz on identify positive and negative numbers on a number line and identify an integer to describe a situation.</p> <p>Quiz on ordering numbers, absolute value and graphing.</p> <p>Test on 6.NS.5 – 6.NS.8</p>
Field Trip/s	N/A