

TERM 1							
DATE	WEEK	UNIT	STUDENT LEARNING OBJECTIVE	CORRESPONDING CCSS	SCF	ASSESSMENT	ASS DATE
	Week 1	1	<b>Operations and Statistical Variability</b> <ul style="list-style-type: none"> <li>• Compute quotients of fractions.</li> <li>• Construct visual fraction models to represent quotients and explain the relationship between multiplication and division of fractions.</li> <li>• Solve real-world problems involving quotients of fractions and interpret the solutions in the context given.</li> </ul>	6.NS.1	Communication Teamwork		
	Week 2				Communication Teamwork		
	Week 3	1	<b>Operations and Statistical Variability</b> <ul style="list-style-type: none"> <li>• Fluently add, subtract, multiply and divide multi-digit decimals and whole numbers using standard algorithms.</li> </ul>	6.NS.2; 6.NS.3	Independent Learning	MATH MAP EXAM	
	Week 4				Independent Learning Teamwork		
	Week 5	1	<b>Operations and Statistical Variability</b> <ul style="list-style-type: none"> <li>• Use positive and negative numbers to describe quantities in real-world situations.</li> </ul>	6.NS.5	Critical Thinking		

**Vocabulary:**

Absolute value, Benchmark, Common denominator, Common factor, Compare Compatible numbers, Coordinate plane, Decimal, Denominator, Dividend, Divisible, Divisor, Equivalent fractions, Factor, Fractions, Greatest Common Factor, Integer, Least Common Multiple, Multiplicative inverse, Mixed numbers, Numerator, Negative number, Opposite, Order, Ordered pair, Origin, Positive number, Prime number, Quadrant, Quotient, Rational number, Reciprocal Simplest form, Whole number's, X-Axis, Y-Axis

**Unit Questions:**

6.NS.1

- I CAN interpret and compute quotients of fractions and mixed numbers.
- I CAN interpret and solve word problems involving division of fractions by fractions using visual fraction models.
- I CAN interpret and solve word problems involving division of fractions by fractions using equations.

- I CAN create word problems involving division of fractions by fractions.  
**6.NS.2**
- I CAN divide multi-digit whole numbers using the traditional method quickly and error-free.  
**6.NS.3**
- I CAN add multi-digit decimals using the traditional method quickly and error-free.  
 I CAN subtract multi-digit decimals using the traditional method quickly and error-free.  
 I CAN multiply multi-digit decimals using the traditional method quickly and error-free.  
 I CAN divide multi-digit decimals using the traditional method quickly and error-free.  
**6.NS.5**
- I CAN represent and describe quantities in real world situations using positive and negative numbers.  
 I CAN explain where zero fits into real world situations represented by integers.

**Possible Resources:**

Opening Tasks, Pearson, Mathletics, Brain Pop, Matching Cards

DATE	WEEK	UNIT	STUDENT LEARNING OBJECTIVE	CORRESPONDING CCSS	SCF	ASSESSMENT	ASS DATE
	Week 6	2	<b>Rational Numbers and Ratios</b> <ul style="list-style-type: none"> <li>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.</li> </ul>	6.NS.6	Communication		
	Week 7				Self-Confidence		
	Week 8	2	<b>Rational Numbers and Ratios</b> <ul style="list-style-type: none"> <li>Understand ordering and absolute value of rational numbers.</li> <li>Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include the use of coordinates and absolute value to find distances between</li> </ul>	6.NS.7, 6.NS.8	Critical Thinking Problem Solving	MID-TERM EXAM	

			points with the same first coordinate or the same second coordinate.				
	Week 9	2	<p><b>Rational Numbers and Ratios</b></p> <ul style="list-style-type: none"> <li>Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities</li> </ul>	6.RP.1	Problem Solving		
	Week 10	2	<p><b>Rational Numbers and Ratios</b></p> <ul style="list-style-type: none"> <li>Understand the concept of a unit rate <math>a/b</math> associated with a ratio <math>a:b</math> with <math>b \neq 0</math>, and use rate language in the context of a ratio relationship.</li> </ul>	6.RP.2	Collaboration/Teamwork		
	Week 11	2	<p><b>Rational Numbers and Ratios</b></p> <ul style="list-style-type: none"> <li>Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.</li> </ul>	6.RP.3	Collaboration/Teamwork		

**Vocabulary:**

Capacity Coordinate plane Conversion factor Decimal Denominator Equivalent fractions Equivalent ratios Factor Gallon Gram Length Liter Mass Meter Numerator Ordered pair Ounce Pattern Percent Pint Pound Quart Quotient Rate Ratio Simplify Ton Unit rate Weight X-coordinate Y-coordinate

**Unit Questions:**

**6.NS.6**

- I CAN identify a rational number as a point on a number line.
- I CAN identify the location of zero on a number line in relation to positive and negative numbers.
- I CAN recognize opposite signs of numbers as locations on opposites sides of zero on a number line.
- I CAN label quadrants on a coordinate plane.
- I CAN plot/identify a point on the coordinate plane in any quadrant using ordered pairs.
- I CAN recognize a reflection as being two ordered pairs that differ only in signs.
- I CAN plot integers on a horizontal and/or vertical number line.

- I CAN plot rational numbers (fractions and decimals) on a horizontal and/or vertical number line.
- I CAN plot integers on a coordinate plane using ordered pairs.
- I CAN plot rational numbers (fractions and decimals) on a coordinate plane using ordered pairs.

**6.NS.7**

- I CAN interpret statements of inequality as statements about relative position of two numbers on a number line diagram.
- I CAN write statements of order for rational numbers in real-world contexts.
- I CAN interpret statements of order for rational numbers in real-world contexts.
- I CAN explain statements of order for rational numbers in real-world contexts.
- I CAN define the absolute value of a rational number as its distance from 0 on a number line.
- I CAN use absolute value to describe size or magnitude in a real-world situation.
- I CAN distinguish comparisons of absolute value from statements about order and apply to real-world context.

**6.NS.8**

- I CAN solve real world and mathematical problems by graphing points in all four quadrants.
- I CAN find the distance between two points on the coordinate plane when the first or second coordinates are the same

**6.RP.1**

- I CAN describe a ratio relationship by comparing two quantities using ratio language.
- I CAN write a ratio notation using a colon, the word “to”, and as a fraction.
- I CAN write a ratio in simplest form.
- I CAN analyze ratios to determine if they are equivalent.

**6.RP.2**

- I CAN define a unit.
- I CAN define a rate.
- I CAN write a unit rate in fraction form.
- I CAN describe a unit rate using rate language.

**6.RP.3**

- I CAN complete a table of equivalent ratios with whole number values including measurements.
- I CAN create a function table and compare proportional quantities.
- I CAN plot pairs of values on a coordinate plane.
- I CAN solve unit rate problems.
- I CAN convert among fractions, decimals, and percent.
- I CAN solve problems finding the whole, given the part and the percent.
- I CAN explain that a percent is a ratio of a number to 100.



I CAN convert measurement units using ratios.

**Possible Resources:**

Opening Tasks, Pearson, Mathletics, Brain Pop, Matching Cards