

I Can... I Can... I Can... I Can...

Name: _____

Unit 1 Number System			
Test 1 Multi-digit Multi/division			
		6.NS.2	
		Divide multi-digit numbers using the standard algorithm	
		6.NS.3	
		Add multi-digit decimals using the standard algorithm	
		Subtract multi-digit decimals using the standard algorithm	
		Multiply multi-digit decimals using the standard algorithm	
Test 2 GCF, LCM, Prime Factor			
		6.NS.4	
		Find the greatest common factor (GCF) of two whole number less than or equal to 100.	
		Find the least common multiple of two whole numbers less than or equal to 12.	
		Use the distributive property to express a sum of two whole numbers with no common factor.	
** Unit 2** Number System			
Test 3 Multiply & Divide Fractions			
		6.NS.1	
		Use a model to show division of fractions.	
		Use my understanding of multiplication of fractions to explain division of fractions.	
		Divide fractions to find the quotient.	
		Interpret the meaning of the quotient.	
		Solve word problems using division of fractions.	
		Write an equation to solve a problem using division of	

			fractions.
			Write a story problem that will use division of fractions.
			I can add and subtract fractions with common and uncommon denominators
Unit 3 Number System			
Test 5 Integers & Coordinate Plane			
		6.NS.6C	
		Place integers and other rational numbers in the correct locations on a number line.	
		Plot ordered pairs on a coordinate plane in all four quadrants.	
		6.NS.5	
		Name real world places for using positive and negative numbers.	
		Understand that positive and negative numbers are used together to describe quantities having opposite directions or values on a number line.	
		6.NS.6a	
		Recognize zero as the origin on the number line	
		Understand the sign of a number indicates its place on the number line from zero.	
		Recognize that the opposite of an opposite of a number is the number itself. $-(-3)=3$	
		Understand that 0 is its own opposite.	
		6.NS.6b	
		Know that the signs of numbers in ordered pairs tell the location of the point in a quadrant on the coordinate plane.	
		Recognize that if two ordered pairs only differ by the signs,	

		the point are reflections across one or both axes.
Test Inequalities		
6.NS.7a		
		Interpret statements of inequality and recognize the placement of the integers on the number line.
6.NS.7b		
		Write statements of inequality about integers on a number line.
		Explain statements of order for rational numbers in real world situation.
6.NS.7c		
		Understand absolute value of a rational number as the distance from 0 on the number line.
		Interpret absolute value as the magnitude of the number from 0 in a real world situation.
6.NS.7d		
		Order and compare the absolute values of rational numbers.
6.NS.8		
		Use coordinates and absolute values to find distances between point.
Unit 4 Ratios & Proportions		
Test 6 Ratios & Unit Rate		
6.RP.3a		
		Use a table to find equivalent ratios.
		Find missing values in equivalent ratio tables.
		Plot the pairs of values in a table on a coordinate plane.
		Use a table to reason about equivalent ratios.
		Use a tape diagram to reason about equivalent ratios.
		Use a double number line diagram to reason about equivalent ratios.
		Use an equation to reason

		about equivalent ratios.
6.RP.3b		
		Solve unit rate problems with unit pricing.
		Solve unit rate problems with constant speed.
Unit 5 Ratio & Proportions		
Test 7 Percents		
6.RP.3c		
		Understand percent means hundredths.
		Find percent of a quantity.
		Find the whole, given a part and a percent.
Unit 6 Ratio & Proportions		
Test 8 Measurement		
6.RP.3d		
		Convert measurement units using ratio reasoning.
		Transform units to solve problems
Unit 7 Expressions & Equations		
Test 9 Expressions		
6.EE.1		
		Write an expression using whole-number exponents.
		Evaluate expressions using whole-number exponents.
6.EE.2a		
		Write expressions with variables.
		Read expressions with variables.
6.EE.2b		
		Identify the parts of an expression using sum, term, product, factor, quotient and coefficient.
		Understand parts of an expression can have more than one name.
6.EE.2c		
		Evaluate expressions using specific values for variables.
		Use formulas to solve real

			world problems.
			Evaluate expressions using the Order of Operations.
			6.EE.3
			Apply the properties of operations to find equivalent expressions.
			6.EE.4
			Combine like terms to find equivalent expressions.
			Identify if and when two expressions are equivalent.
			6.EE.6
			Use variables to represent numbers.
			Write expressions for real-world and mathematical problems.
			Understand that a variable can represent one number or a set of numbers.
Unit 8 Expressions & Equations			
Test 11 Inequalities			
			6.EE.5
			Determine which values make an equation true.
			Determine which values make an inequality true.
			Use substitution to decide if a number makes an equation true.
			Use substitution to decide if a number makes an inequality true.
			6.EE.7
			Solve real-world and mathematical problems by writing and solving equations.
			6.EE.8
			Write an inequality to represent a set of solutions for real-world and mathematical problems.
			Recognize that inequalities of the form $x > c$ and $x < c$ have an infinite number of solutions.
			Graph solutions to inequalities on a number line.

** Unit 9 ** Expressions & Equations			
Test 12 Independent & Dependent			
			6.EE.9
			Use variables to represent two quantities that change in relationship to one another.
			Write an equation to describe one quantity in terms of the other quantity.
			Write an equation to describe how the dependent variable changes in terms of the independent variable.
			Analyze how dependent variables change in a table.
			Analyze how dependent variables change in a graph.
			Understand that a graph, table and an equation can all represent the same real-world problem.
Unit 10 Geometry			
Test 13 Area & Surface Area			
			6.G.1
			Find the area of right triangles and other triangles.
			Find the area of quadrilaterals and polygons by composing into rectangles or decomposing into triangles and other shapes.
			Find the area of polygons in real-world and mathematical problems.
			6.G.4
			Represent 3-D figures using nets made up of rectangles and triangles.
			Use nets to find the surface area of 3-D figures composed of rectangles and triangles.
			Apply the surface area techniques of 3-D figures composed of rectangles and triangles in real-world and mathematical problems.
** Unit 11** Geometry			
Test 14 Volume			
			6.G.2

		Find the volume of the right rectangular prisms in mathematical problems.
		Use the formulas $V = lwh$ and $V = bh$ to find the volume of right rectangular prisms.
		Find the volume of right rectangular prisms in real-world problems.
6.G.3		
		Draw polygons in the coordinate plane with given vertices.
		Find the length of a side of a polygon when the endpoints of the side have either the same first coordinate or the same second coordinate.
		Apply the techniques of finding polygon side lengths in real-world and mathematical problems.
** Unit 12 ** Statistics & Probability		
Test 15 Graphing		
6.SP.1		
		Recognize the difference between a statistical and a non-statistical question.
		Recognize that a statistical question will have variability in answers.
6.SP.4		
		Display numerical data on a dot plot.
		Display numerical data on a histogram.
		Display numerical data in a box plot.
6.SP.5a		
		Report the number of observations in a data set.
6.SP.5b		
		Analyze a data set and describe what attribute is being measured, how it was measured, and its units of measure.
6.SP.5c		

		Find the median of a set of data on a graph.
		Find the mean of a set of data.
		Find the inter-quartile range of a set of data on a graph.
		Find the mean absolute deviation of a set of data.
		Describe the overall patterns and striking deviations in a set of data on a graph.
6.SP.5d		
		Understand that data can be affected by the context in which it was gathered.
** Unit 13 ** Statistics & Probability		
Test 16 Analysis of Data		
6.SP.2		
		Find the center of a set of data.
		Describe a set of data by its spread and overall shape.
6.SP.3		
		Know that mean is a single number that is a measure of center and it summarizes all values in a set of data.
		Know that median is a single number that is a measure of center and it summarizes all values in a set of data.
		Know that range is a single number that is a measure of variation and it describes how values vary in the set of data.

Term 1: Number Sense

Term 2: Ratio & Proportions, Expressions & Equations

Term 3: Expressions & Equations, Geometry, Statistics & Probability

Term 4: Review and extension of all Domains