

6th Grade Math “I Can” Progress Checklist for _____

P=Proficient NP=Not Proficient

Number Sense (NS)				
	Form A	Form B	Form C	Standard
6.NS.5				<i>I know that negative and positive numbers are “opposite” in value and can represent opposite directions. I know the significance of “zero” in comparing positive and negative values.</i>
6.NS.6a				<i>I understand opposites and how to graph ordered number pairs in the coordinate plane, and that x or y values that are exact opposite represent a reflection across either the x or the y axis.</i>
6.NS.8				<i>I know how to find the distance between points in the coordinate plane that have the same first, or same second coordinate, and I can apply these skills to real life situations.</i>
6.NS.7a				<i>I can use inequality symbols and I can use absolute value to describe the magnitude (size) of a situation in real life.</i>
6.NS.4				<i>I can find Greatest Common Factor (GCF), Least Common Multiple (LCM), and use the distributive property to rewrite the sum of any two numbers.</i>
6.NS.2				<i>I can do “long division”, and can express the remainder as a fraction.</i>
6.NS.3				<i>I can add, subtract, multiply and divide multi-digit decimals, using the standard method for each operation.</i>
6.NS.1				<i>I can solve problems that require me to divide fractions by fractions.</i>
Ratios and Proportions (RP)				
	Form A	Form B	Form C	Standard
6.RP.1				<i>I can compare quantities using “ratio”.</i>
6.RP.2				<i>I can compute and compare “unit rates”.</i>
6.RP.3a				<i>I can find missing values in tables of ratios, graph the ratios in the coordinate plane, and compare ratios.</i>
6.RP.3b				<i>I can use “unit rates” to solve problems.</i>
6.RP.3c				<i>I can solve percent proportion problems using “part” and “whole”.</i>
6.RP.3d				<i>I can use ratio and proportion to convert among units of measurement.</i>

Expressions and Equations (EE)				
	Form A	Form B	Form C	Standard
6.EE.1				<i>I know how to use, write and evaluate whole number exponents.</i>
6.EE.2				<i>I can write mathematical expressions using a letter (variable) to represent unknown values and any of the four basic operations (addition, subtraction, multiplication, division).</i>
6.EE.6				<i>I can use variables to represent a description of real world situations. I can write a real world situation that can be described by a given mathematical expression.</i>
6.EE.5 & 6.EE.7				<i>I can solve simple one step equations and/or inequalities, and can use “substitution” to verify my results.</i>
6.EE.8				<i>I can write inequalities representing real world situations. I can graph inequalities on the number line.</i>
6.EE.3				<i>I can use the “distributive” and “commutative” properties to “combine like terms”.</i>
6.EE.4				<i>I can identify “equivalent” mathematical expressions.</i>
6.EE.9				<i>I can use variables to represent two quantities in a real-world problem. I can write an equation to express one quantity, thought of as the <u>dependent variable</u>, in terms of the other quantity, thought of as the <u>independent variable</u>. I can analyze the relationship between the dependent and independent variables <u>using graphs and tables</u>, and relate these to the equation.</i>
Statistics and Probability (SP)				
	Form A	Form B	Form C	Standard
6.SP.1				<i>I know that a “statistical question” must have “variability”.</i>
6.SP.5				<i>I can summarize numerical data sets.</i>
6.SP.2 & 6.SP.3				<i>I understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape.</i>
6.SP.4				<i>I can display numerical data using dot plots, histograms, and box (and whisker) plots.</i>

Geometry (G)				
	Form A	Form B	Form C	Standard
6.G.1				<i>I can use my knowledge of the area of a right triangle and rectangle to find the areas of other quadrilaterals such as: squares, parallelograms, rhombus, trapezoids, and kites.</i>
6.G.2				<i>I can find the volume of a “right rectangular prism” using various strategies—I can also identify the correct units of measure to be used.</i>
6.G.3				<i>I can graph a polygon in the coordinate plane when given the coordinates. I can use this skill to solve real world problems.</i>
6.G.4				<i>I can represent the sides of three dimensional shapes using “nets” made of rectangles and triangles. I can use these nets to find “surface area” and apply these skills.</i>