

7<sup>th</sup> Grade Math “I Can” Progress Checklist for \_\_\_\_\_

P=Proficient NP=Not Proficient

Number Sense (NS)				
	Form A	Form B	Form C	Standard
7.NS.1				<i>I understand</i> how addition and subtraction of rational numbers can be illustrated on the number line, I understand that “subtraction” can be thought of as addition of the opposite, and I understand “absolute value” and its use.
7.NS.3				<i>I can</i> use rational numbers to solve problems.
7.NS.2				<i>I can</i> multiply and divide rational numbers without the use of a calculator; I can change a fraction to a decimal number using long division; and I know the divisibility rules for zero.
Ratios and Proportions (RP)				
	Form A	Form B	Form C	Standard
7.RP.1				<i>I can</i> find “unit rates” working with fractions.
7.RP.2				<i>I understand</i> the concept of “proportionality” and can represent this relationship with graphs, tables and equations.
7.RP.3				<i>I can</i> use the concept of “proportionality” to solve ratio and percent problems.
Expressions and Equations (EE)				
	Form A	Form B	Form C	Standard
7.EE.1				<i>I can</i> use properties of radical numbers to add, subtract, factor, and expand (multiply mathematical expressions.
7.EE.2				<i>I can</i> rewrite mathematical relationship in different forms which may allow a more efficient means to solve problems.
7.EE.3				<i>I can</i> solve multi-step equations and apply this skill to problem solving.
7.EE.4				<i>I can</i> write equations and inequalities using variables that will assist me in solving problems.
Geometry (G)				
	Form A	Form B	Form C	Standard
7.G.1				<i>I can</i> solve problems involving scale drawings of geometric figures.
7.G.4				<i>I know</i> the formulas for the area and circumference of a circle and can solve problems using these formulas.

7.G.6				<i>I can solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.</i>
7.G.2				<i>I can draw geometric shapes with given conditions.</i>
7.G.3				<i>I can describe the two-dimensional figure that results from slicing a three-dimensional shape.</i>
7.G.5				<i>I can use my knowledge about supplementary, complementary, vertical, and adjacent angles to write and solve simple equations for an unknown angle in a figure.</i>
<b>Statistics and Probability (SP)</b>				
	<b>Form A</b>	<b>Form B</b>	<b>Form C</b>	<b>Standard</b>
7.SP.1				<i>I understand that using statistics to study populations allows me to draw conclusions about the whole population <b>only</b> if an appropriate sample space is chosen.</i>
7.SP.2				<i>I can use data from a random sample to draw inferences about a population.</i>
7.SP.3 & 7.SP.4				<i>I can compare data informally and formally using measures of central tendencies (mean, median, mode) and variability.</i>
7.SP.5				<i>I understand that probability is a value from 0 to 1 inclusive, where 0 means the event is impossible, and 1 means the event will occur. I also know that numbers greater than 0.5 means the event is more likely to occur, and less than 0.5 means it is less likely to occur.</i>
7.SP.6				<i>I can approximate the probability of a chance event by collecting data on the chance process that produces it and observing its long-run relative frequency, I can also predict the approximate relative frequency given the probability.</i>
7.SP.7				<i>I can develop a probability model and use it to find probabilities of events. I can compare probabilities from the model to observed frequencies, and if the agreement is not good, explain possible sources of the discrepancy.</i>
7.SP.8				<i>I can find probabilities of compound events using organized lists, tables, tree diagrams, and simulation.</i>