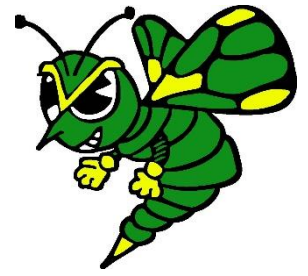




HORNET TARGETS TRACKERS



8TH GRADE MATH

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Target #	Target	Can I?'s
8.1	I CAN use real numbers in a variety of ways.	<ul style="list-style-type: none">Express a rational number as a decimal?Approximate the value of an irrational number?Describe the relationship between sets of real numbers?Order a set of real numbers arising from mathematical and real-world connections?
8.2	I CAN write numbers using exponents, including scientific notation.	<ul style="list-style-type: none">Apply the properties of integer exponents to evaluate expressions?Convert between large numbers in standard decimal notation and scientific notation?Convert between small numbers in standard decimal notation and standard notation?Add, subtract, multiply, and divide numbers expressed with scientific notation?
8.3	I CAN show and identify proportional relationships in a variety of ways.	<ul style="list-style-type: none">Represent linear proportional situations with tables, graphs, and equations?Use data from a table or graph to determine the rate of change or slope and y-intercept in mathematical and real-world problems?Graph proportional relationships, interpreting the unit rate as the slope of the line that models the relationship?
8.4	I CAN show and identify non-proportional relationships in a variety of ways.	<ul style="list-style-type: none">Represent linear non-proportional situations with tables, graphs, and equations in the form of $y=mx+b$, where b does not equal 0?Use data from a table or graph to determine the rate of change or slope and y-intercept in real world problems?Distinguish between proportional and non-proportional situations using graphs, tables, and equations in the form $y=kx$ and the form $y=mx+b$, where b does not equal 0?
8.5	I CAN write and assess linear relationships given the equation or graph.	<ul style="list-style-type: none">Write an equation in the form $y=mx+b$ to model a linear relationship between two quantities using verbal, numerical, tabular, and graphical representations?Contrast bivariate sets of data that suggest a linear relationship with bivariate sets of data that do not suggest a linear relationship from a graphical relationship?
8.6	I CAN represent functions in a variety of ways.	<ul style="list-style-type: none">Identify functions in a variety of formats (tables, graphs, mapping diagrams, etc.)?Describe functions using correct vocabulary?Tell if a function is linear?Analyze multiple graphs and make comparisons between them?Describe relationships between graphs and sketch graphs that model them?
8.7	I CAN solve equations.	<ul style="list-style-type: none">Solve equations with variables on both sides?Solve equations with rational numbers?Solve equations using the distributive property?Identify equations with many or no solutions?
8.8	I CAN solve systems of linear equations.	<ul style="list-style-type: none">Solve systems of linear equations by graphing?Solve systems of linear equations by substitution?

		<ul style="list-style-type: none"> • Solve systems of linear equations by elimination? • Solve special systems?
8.9	I CAN transform objects in a coordinate plane.	<ul style="list-style-type: none"> • Translate objects in a coordinate plane? • Reflect objects across the line of reflection? • Rotate objects in a coordinate plane? • Show transformations algebraically? • Identify congruent figures by using a series of translations?
8.10	I CAN use similarity to analyze how objects are affected when they are dilated.	<ul style="list-style-type: none"> • Dilate figures on a coordinate plane? • Find the scale factor given the image and preimage? • Represent dilations algebraically? • Combine translations and dilations to identify similar figures?
8.11	I CAN use relationships to find the measure of unknown angles.	<ul style="list-style-type: none"> • Identify the different angles that occur when parallel lines are cut by a transversal? • Find the measure of missing angles in triangles? • Find the angle measurements using similar triangles?
8.12	I CAN use the Pythagorean Theorem to identify missing side lengths of a right triangle.	<ul style="list-style-type: none"> • Use the Pythagorean Theorem? • Use the Pythagorean Theorem in 3 dimensions? • Prove a triangle with given sides is a right triangle? • Use the Pythagorean Theorem to find the distance between 2 points?
8.13	I CAN find the volume of objects using the correct formulas.	<ul style="list-style-type: none"> • Find the volume of cylinders? • Find the volume of cones? • Find the volume of spheres?
8.14	I CAN use scatter plots to find the relationship between two sets of data.	<ul style="list-style-type: none"> • Describe the relationships between sets of data? • Make predictions about the data in a scatter plot? • Draw a trend line that models the data found in a scatter plot?
8.15	I CAN use a two-way frequency table to organize and analyze data.	<ul style="list-style-type: none"> • Use two-way frequency tables to compare data? • Find relative frequency based on information provided in a two-way table? • Create a two-way frequency table?