



MOHAWK

Local School District

Preparing today's students for tomorrow's challenges

Mohawk Local Schools 5th Grade Math

Quarter 4 Curriculum Guide

Mathematical Practices

1. Make Sense of Problems and Persevere in Solving them
2. Reasoning Abstractly & Quantitatively
3. Construct Viable Arguments and Critique the Reasoning of Others
4. Model with Mathematics
5. Use Appropriate Tools Strategically
6. Attend to Precision
7. Look for and Make use of Structure
8. Look for and Express Regularity in Repeated Reasoning

Critical Areas of Focus Being Addressed:

- Fractions
- Decimals
- Geometry

Content Statements Addressed and Whether they are Knowledge, Reasoning, Performance Skill, or Product:
 (DOK1) (DOK2) (DOK3) (DOK4)

Underpinning Targets Corresponding with Standards and Whether they are Knowledge, Reasoning, Performance Skill, or Product: "I can.....", "Students Will Be Able To....."

5 G 1. Use a pair of perpendicular number lines, called axes, to define a coordinate system, with the intersection of the lines (the origin) arranged to coincide with the 0 on each line and a given point in the plane located by using an ordered pair of numbers, called its coordinates. Understand that the first number indicates how far to travel from the origin in the

Define the coordinate system Identify the x- and y-axis Locate the origin on the coordinate system Identify coordinates of a point on a coordinate system Recognize and describe the connection between the ordered pair and the x- and yaxis (from the origin)

<p>direction of one axis, and the second number indicates how far to travel in the direction of the second axis, with the convention that the names of the two axes and the coordinates correspond (e.g., x-axis and x-coordinate, y-axis and y-coordinate). (DOK 1)</p>	
<p>G 5 2. Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation. Classify two-dimensional figures into categories based on their properties. (DOK 2)</p>	<p>Graph points in the first quadrant Represent real world and mathematical problems by graphing points in the first quadrant Interpret coordinate values of points in real world context and mathematical problems</p>
<p>5 G 3. Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category. For example, all rectangles have four right angles and squares are rectangles, so all squares have four right angles. (DOK 1)</p>	<p>Recognize that some two-dimensional shapes can be classified into more than one category based on their attributes. Recognize if a two-dimensional shape is classified into a category, that it belongs to all subcategories of that category.</p>
<p>5 G 4. Classify two-dimensional figures in a hierarchy based on properties (DOK 2)</p>	<p>Recognize the hierarchy of two-dimensional shapes based on their attributes. Analyze properties of two-dimensional figures in order to place into a hierarchy. Classify two-dimensional figures into categories and/or sub-categories based on their attributes.</p>