



# MOHAWK

## Local School District

*Preparing today's students for tomorrow*

### Mohawk Local Schools 3rd 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:

- Multiplication and Division
- Number and Operations
- Geometry
- Fractions

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....."

3.MD.1-Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.(DOK 3)

Recognize minute marks on analog clock face and minute position on digital clock face.  
  
Know how to write time to the minute.  
Tell time to the minute.  
  
Compare an analog clock face with a number line diagram.  
  
Use a number line diagram to add and subtract time intervals in minutes.  
  
Solve word problems involving addition and subtraction of time intervals in minutes.

<p>3.MD.2-Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l).6 Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem.(DOK 3)</p>	<p>Explain how to measure liquid volume in liters.</p> <p>Explain how to measure mass in grams and kilograms.</p> <p>Add, subtract, multiply and divide units of liters, grams, and kilograms.</p> <p>Know various strategies to represent a word problem involving liquid volume or mass.</p> <p>Solve one step word problems involving masses given in the same units.</p> <p>Solve one step word problems involving liquid volume given in the same units.</p> <p>Measure liquid volumes using standard units of liters.</p> <p>Measure mass of objects using standard units of grams (g), and kilograms (kg).</p>
<p>3.MD.3-Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs. For example, draw a bar graph in which each square in the bar graph might represent 5 pets.(DOK 3)</p>	<p>Explain the scale of a graph with a scale greater than one.</p> <p>Identify the scale of a graph with a scale greater than one.</p> <p>Analyze a graph with a scale greater than one.</p> <p>Choose a proper scale for a bar graph or picture graph.</p> <p>Interpret a bar/picture graph to solve one or two step problems asking “how many more” and “how many less”.</p>
<p>3.NBT.1-Use place value understanding to round whole numbers to the nearest 10 or 100.(DOK 1)</p>	<p>Define “round or rounding” in relation to place value.</p> <p>Round a whole number to the nearest 10</p> <p>Round a whole number to the nearest 100.</p>
<p>3.NBT.2-Fluently add and subtract within 1000</p>	<p>Know strategies and algorithms for adding</p>

using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.(DOK 1)	and subtracting within 1000. Fluently add and subtract within 1000.
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