



## NOSD Fifth Grade Math Standards

### **Mathematical Practices:**

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

### **Operations and Algebraic Thinking:**

- Write and interpret numerical expressions.
- Analyze patterns and relationships.

### **Number and Operation in Base Ten:**

- Understand the place value system.
- Perform operations with multi-digit whole numbers and with decimals to hundredths.

### **Number and Operations - Fractions:**

- Use equivalent fractions as a strategy to add and subtract fractions.
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions

### **Measurement and Data:**

- Convert like measurement units within a given measurement system.
- Represent and interpret data.
- Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

### **Geometry:**

- Graph points on the coordinate plane to solve real-world and mathematical problems.
- Classify two-dimensional figures into categories based on their properties.

