

What Will Fifth Graders Learn this Quarter in Math?

Our Focus: Geometry and Computation

What questions will we ask ourselves?

Plane Geometry

- **How are geometric figures constructed?**
- **How is the size of an angle related to its rotation?**
- **How are angles measured?**

Relationships of Solids

- **How are properties used to classify geometric figures?**

Whole Numbers and Decimal Fractions

- **What strategies can be developed to compute with fractions, decimals and percents?**
- **How are the four basic operations related to each other?**

Decimal and Common Fractions and Percents

- **When is it appropriate to use percents, decimals, fractions?**
- **How does GCF and LCM help when comparing fractions?**
- **How are ordering fractions and decimals similar to ordering whole numbers?**

Why are we learning this?

Plane Geometry

- **In order to:**
 - *Identify and draw circles and their parts*
 - *Draw geometric figures*
 - *Measure angles, identify vertices and rays*

Relationships of Solids

- **In order to:**
 - **Identify, describe, compare and classify figures**

Whole Numbers and Decimal Fractions

- **In order to:**
 - **Multiply and divide whole numbers and decimals**
 - **Add and subtract fractions, decimals and whole numbers**
 - **Use models and pictures to represent whole number multiplication**

Decimal and Common Fractions and Percents

- **In order to:**
 - **Represent fractions, decimals and percents**
 - **Compute percentages and percents of a number**
 - **Compare and order fractions and decimals**

How will we learn these things?

Plane Geometry

- **By creating circles and identifying their parts**
- **By drawing and identifying geometric figures**
- **By measuring acute, obtuse, right and straight angles.**

Relationships of Solids

- **By using geometric solids to compare and classify prisms and pyramids**

Whole Numbers and Decimal Fractions

- **By mastering multiplication and division skills**
- **By practicing computation skills nightly**
- **By modeling fractions, percents and decimals**

Decimal and Common Fractions and Percents

- **By read and write fractions, decimals and percents**
- **Through computation of percents, fractions and mixed numbers**
- **By ordering fractions and decimals**

Vocabulary Words:

<i>Numerator</i>	<i>Denominator</i>	<i>Percent</i>
<i>Compare</i>	<i>Order</i>	<i>Quadrilateral</i>
<i>Triangle</i>	<i>Ratio</i>	<i>Place Value</i>
<i>Mixed Number</i>	<i>Model</i>	<i>Angle</i>
<i>Degree</i>	<i>Circumference</i>	<i>Protractor</i>
<i>Construct</i>	<i>Relationship</i>	<i>Pentagon</i>
<i>Prism</i>	<i>Vertex</i>	<i>Ray</i>
<i>Acute</i>	<i>Obtuse</i>	<i>Octagon</i>
<i>Trapezoid</i>	<i>Rhombus</i>	<i>Line</i>
<i>Line Segment</i>	<i>Radius</i>	<i>Chord</i>
<i>Diameter</i>	<i>Hexagon</i>	<i>Equilateral Triagle</i>
<i>Square</i>	<i>Rectangle</i>	<i>Isosceles</i>
<i>Pyramid</i>		