

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>		