



# What will 3<sup>rd</sup> Graders Learn in Unit 1?

## Our Focus

Geometric Properties and Applications, Geometric Representations, Number Representation, & Statistics  
8/30/10 thru 10/29/10

### What will we learn?

#### ➤ Geometry

- To identify, classify, and sketch acute, right, and obtuse angles
- To identify and describe the sides, angles, edges, vertices, and faces of solid figures
- To draw circles, triangles, and quadrilaterals given their dimensions
- To identify, draw, label, and describe points, lines, line segments, and rays

#### ➤ Number Relationships and Computation

- To recognize and apply place value patterns in numbers through the millions
- To read/write numbers using standard and expanded notation
- To model and identify the place value of each digit in whole numbers

#### ➤ Statistics

- To organize, display, and analyze data using line plots and line graphs
- To determine and distinguish among mean, median, mode, and range

### How will we be learning these things?

- By looking at types of angles in real world objects
- By making solid figures with given faces and vertices
- By reading and writing word names
- By comparing and ordering whole numbers
- By gathering and organizing data
- By analyzing and displaying data in an appropriate graph

### What resources will we use?

- Math journal with vocabulary and examples
- Flip Charts (promethean board)
- Brain POP and Brain POP Jr.
- Math tools (compass, ruler, and protractor)
- Manipulatives (Base 10 blocks, digit cards, 3-D shapes, etc.)

### Why are we learning this?

- To provide many foundational skills and help to build the thinking skills of logic, reasoning, analytical reasoning and problem solving
- Geometry is found everywhere: in art, architecture, engineering, robotics, land surveys, astronomy, sculptures, space, nature, sports, machines, cars and much more
- To determine the relationship between whole numbers
- To be able to interpret and understand various sets of real world data
  - i.e. Favorite Ice Cream Flavors, Sports Statistics, ect.

#### Geometry

acute angle      rhombus  
line segment      parallel  
parallelogram      radius  
obtuse angle      trapezoid  
Perpendicular lines  
parallel lines  
Intersecting lines

#### Number

**Representation**  
Million  
parentheses

#### Statistics

analyze      mean  
median      mode  
range      mean  
circle graph  
line graph  
central tendency

### The Four Comprehension Strategies

\*Predict

\*Question

\*Clarify

\*Summarize



Back to school night September 15, 2010  
Hispanic Heritage Month is October!  
Look out for our Third Grade "Chat and Chew"!  
(Monthly parent meeting)