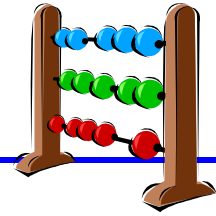


MATH: KINDERGARTEN



Data Analysis, Statistics, and Probability:

Students...

- Formulate questions, collect, sort, organize, and draw conclusions about data using concrete objects, pictures, numbers and graphs.
- Sort a collection of objects according to one attribute.
- Sort a collection of objects in multiple ways.
- Use counting to collect data.
- Represent data using concrete materials, pictures, labels or words, numbers.
- Make sense of and describe data represented on a graph.
- Observe and describe different representations of the same data.
- Compose yes/no survey questions.
- Collect, record, share yes/no survey data.
- Count and compare the quantities of two different data sets.
- Solve a mathematical problem bases on data

Geometry:

Students...

- Name, describe, construct, and represent a variety 2-D and 3-D shapes.
- Observe and describe 2-D shapes as wholes.
- Use shapes to create pictures.
- Relate 2-D shapes to real world objects.
- Construct 2-D shapes.
- Combine 2-D shapes to form larger 2-D shapes.
- Combine combinations of shapes to fill an area.
- Visualize and select shapes to fill a design.
- Visualize turning and moving a shape to fit a given space.
- Explore relationships among pattern blocks.
- Recognize 3-D shapes in the environment.
- Observe and describe 3-D shapes as wholes.
- Describe attributes of 2-D shapes.
- Become familiar with mathematical vocabulary to describe and name 2-D shapes.
- Analyze visual images, using a strategy for describing, remembering, and replicating those images.
- Describe attributes of 3-D shapes.
- Become familiar with mathematical vocabulary to describe 3-D shapes.
- Observe similarities and differences between the faces of 3-D shapes.
- Put 3-D shapes together to make other shapes.
- Relate 3-D shapes to 2-D representations of that shape.
- Identify positions of objects in space, and use appropriate language to describe location.
- Describes the positions of shapes or objects and the spatial relationships among them

Measurement:

Students...

- Students recognize and compare attributes of length, volume/capacity, weight, area, and time using appropriate language.
- Describe and compares lengths (longer than, shorter than, the same as).
- Students make and use measurements from everyday experiences.
- Become familiar with units of time represented on a calendar (i.e., days, weeks, and months).
- Students use non-standard units to measure length, (area, weight, and capacity).
- Repeat a non-standard unit to measure a length up to 3 units long.
- Record and represents measurements using pictures, numbers, and/or words.

Number Sense and Operations:

Students...

- Count accurately up to 20 objects.
- Keep track while counting.
- Have a strategy for accurately counting up to 20 objects.
- Match quantities up to at least 10 with numerals and words.
- Record and represent quantities using objects, pictures, numbers, and/or words.
- Compare sets of up to at least 10 concrete objects using appropriate language.
- Compare two quantities and identifies which is more and which is less.
- Describe and compare amounts using words like, less, least, more, most, same, equal.
- Order quantities from least to most and most to least.
- Use objects and drawings to model and solve related addition and subtraction problems to 10.
- Find the total of two single-digit numbers.
- Estimate the number of objects in a group and verify the results.