



PRE-KINDERGARTEN MATHEMATICS – Unit 1

Dear Parents,

Here is what your child is learning in Pre-Kindergarten, Unit 1 along with some specific ways you can help. Look for additional newsletters for upcoming units.

ATTRIBUTES, SORTING, CLASSIFYING AND DATA

Students need to:

- Identify and describe the attributes of color among sets of concrete objects
- Identify and describe the attributes of shape among sets of concrete objects and images
- Identify and describe the attributes of size among various dimensions of concrete objects
- Sort objects by one attribute such as shape, color, size, weight, and length and explain the sorting rule
- Compare two items or sets of objects and explain how they are alike and different
- Begin to construct a real graph to represent information gathered from a set of concrete objects and then discuss what the data reveals*
- Begin to construct a picture graph to represent, compare, and interpret data*

* concepts which are introduced now and will be worked on throughout the year

WAYS PARENTS CAN HELP

- Use real objects to talk about their likes and differences. (i.e. size, color, shape...)
- Sort objects at home such as socks, cereal, candy, containers in the pantry, toys, etc.
- When you return home from the grocery store, have your child help you sort the items from the grocery bag and discuss how items were sorted.
- Use sorted objects to construct a real graph by arranging like objects in columns or rows.

KEY VOCABULARY

Alike - similar

Attribute - a characteristic of an object, such as color, shape, or size.

Different – not similar

Group – a set of objects that share a common attribute

Picture Graph – a graph created by using pictures of objects to make the graph

Real Graph – a graph created by using the actual objects to make the graph

Same – equal in size, shape, value or importance

Shape – circle, triangle, square

Sort - a group set up on the basis of any characteristic in common

Comparative attribute examples: thick, thin, long, short, round, straight, size (bigger/smaller), color



Free Apps

Tiny Hands Sorting is an educational game for children of age 2.5 and up. The free version consists of 3 games focused on sorting shapes, colors, and vehicles. (Apple only)