Dear Parents

Welcome to the new school year! We are eager to work with you and your students as we learn new mathematical concepts. The State of Georgia is using Mathematics Georgia Standards of Excellence (MGSE) that call for students to be actively engaged in the learning process. During this student’s learning focus will be measuring and analyzing data.

Concepts Students will Use and Understand

- Measure and compare objects
- Compare and order objects relating to length, height, weight, capacity, and size
- Pose questions and collect data relating to geometric shapes
- Organize and record information concerning basic shapes using objects, pictures and
- Count items

Vocabulary

**Capacity**: the amount of space inside or the largest amount that can be held by a container.

**Heavier**: describing an object that has more weight than another object.

**Lighter**: describing an object that has less weight than another object.

**Picture Graph**: a graph in which the data is displayed in a chart using pictures and symbols.

**Weight**: how heavy an object is.

Books to consider:

- **House for Birdie** by Stuart Murphy
- **Cook-a-doodle-doo** by Janet Stevens
- **The Best Bug Parade: Comparing Sizes** by Stuart Murphy
- **The Crayon Box that Talked** by Shane Derolf and Michael Letzig
- **Monster Math** by Anne Miranda

Example 1

**Classroom Cases:**

1. Compare the heights of the children below.

   - A. Which one is taller?
   - B. Which one is shorter?
   - C. Are there any that are the same height?

**Case Closed - Evidence:**

A. Ruby is taller than Sam and Tommy is taller than Sam.
B. Sam is shorter than Ruby and Tommy.
C. Ruby and Tommy are the same height.
Home Activities

- Let your child build a tower with blocks or make a line of cars or pillows. Then you build a tower or make a line of cars or pillows. Compare the two. Which one is longer or taller? Which one is shorter? Are they the same length? Repeat the activity with different size objects.
- Cut a piece of string to match your child’s height. Help your child find objects in your home that are longer/taller, shorter, or the same length as the piece of string.
- While shopping at the grocery store, weigh a sweet potato and an orange or other produce. Which one is heavier? Which one is lighter? Repeat the activity with other objects from the produce department.
- Which will hold more: a tall narrow can or a short wide one? Let your child test out his guess by pouring water from one container into another in the sink or tub.