



Kindergarten Unit 4

Measuring and Analyzing Data

Volume 1 Issue 4

References

Helpful Links:

http://pbskids.org/curiousgeorge/games/how_tall/how_tall.html

http://pbskids.org/sid/fablab_crystalsrule.html

<http://www.scholastic.com/clifford/play/sortitout/sortitout.htm>

Dear Parents

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.

Georgia Math Grade K Textbook Connection:

Ch. 8, Lessons 1-6

Ch. 9, Lessons 1-5

Textbook Online:

connected.mcgraw-hill.com

Ask your teacher for the online passcode

Example 1

Classroom Cases:

1. Compare the heights of the children below.



Sam Ruby Tommy

- 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.

Books to consider:

House for Birdie by Stuart Murphy

Cook-a-doodle-doo by Janet Stevens

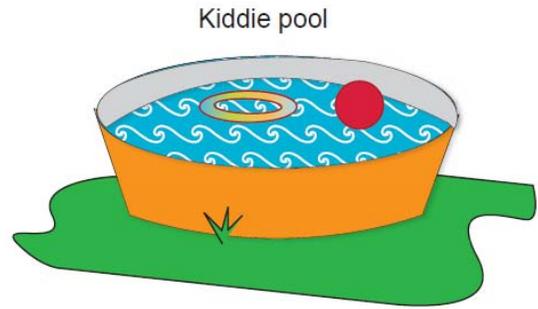
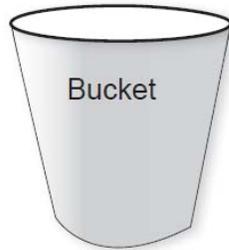
The Best Bug Parade: Comparing Sizes by Stuart Murphy

The Crayon Box that Talked by Shane Derolf and Michael Letzig

Monster Math by Anne Miranda

Example 2

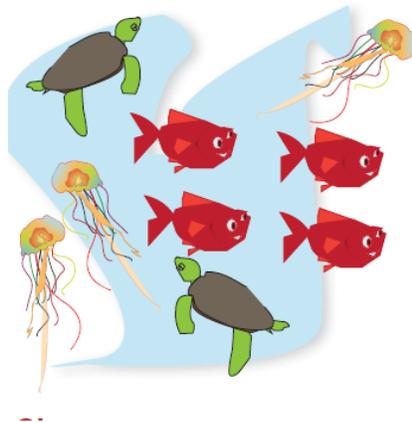
2. Put these containers in order based on which holds the least to which holds the most.



Case Closed - Evidence:
Cup, bucket, pool

Example 3

3. Count the number of objects. Make a chart to show how many you have of each object.



Case Closed - Evidence:

Turtles				
Fish				
Jellyfish				

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.