

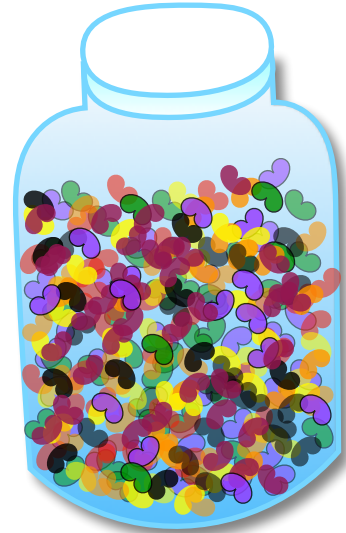
Contain Your Estimation

This is an activity for one or more people.

Goal: To come closest to the actual total by estimating.

You will need:

- Several different-sized containers
- Several different objects to fill the containers.
Examples: dry beans, crayons, pennies, pencils, small pebbles, water, soil, sand, rice, cotton balls.
- Measurement cups



What to do:

- Determine who goes first. The first player chooses a container and a set of objects to fill the container.
- Before filling the container, each player makes an estimate of the number of objects it will take to fill it. Everyone writes down their estimate.
- The first player fills the container with the objects, counting or measuring as they go. As a group, decide who came the closest in their estimation.
- The next player chooses a new container and set of objects and everyone plays again!

To think about:

- For objects like water, soil, sand, etc - things that are “uncountable”, decide on a unit of measurement that you will count such as cups.
- How can you be efficient in your counting, especially when there are large numbers involved? Can you come up with a strategy for fast and accurate counting?
- How does the size of each individual object affect the count? Does it help your estimation if all of the objects are about the same size? In what way?

