

Investigations (1st 9 weeks)

Book: **Collecting, Counting, and Measuring**

Session: **Investigation 4 Counting and Comparing**

Pages: 52-65

1. Concept:

- ✓ Students will use cubes to create individual name. Then create towers to compare with other students. They will gain experience with counting and comparing by using a method meaningful to them.

2. CSOs:

- ✓ M.O.K.1.1

3. Technique/Procedure/Introduction/Set:

- ✓ Read Chrysanthemum by Kevin Henkes aloud to students. After reading and discussing the book, talk about the length of mouse's name.
- ✓ Students will share different ideas for finding out how many letters are in the name "Chrysanthemum." *"I think everyone agrees that Chrysanthemum is a very long name. How many letters do you think there are in Chrysanthemum? How could we find out exactly how many letters there are in her name?"* Draw attention to the fact that no matter where or how the name is written (on the cover of the book, on the board, big or small, there is always the same amount of letters in the name.
- ✓ Student will come up with different strategies to show how many letters are in their individual names.
- ✓ Teacher will then show the name card with name of child, (EX: Luke). Together the class will count and match the number of cubes to the number of letters in that given name. Students

will then be given cubes (these cubes have been pre-made to have the letters in their names on them) and asked to create their name using these cubes.

- ✓ Students will compare their name towers to other name towers based on the attributes of length and number of cubes.

Closure:

- ✓ During whole group instruction discuss which child had the longest, shortest, and names that are equal in length.

4. Today's Math/Assessment:

- ✓ The student will count the number of cubes in their name tower.
- ✓ The student will compare name towers by length.

5. Materials:

- ✓ Cubes labeled with sticker dot letters
- ✓ Name card
- ✓ The book "Chrysanthemum"

6. Vocabulary:

- ✓ Towers
- ✓ Long
- ✓ Short
- ✓ More
- ✓ Less
- ✓ Most
- ✓ Least
- ✓ Same
- ✓ Equal
- ✓ Compare

7. Choice time

- ✓ Comparing Names
 - Students use the names they made during Focus Time to compare the lengths of everyone in the class.
- ✓ Grab and Count/Compare
 - Several students grab a handful of cubes, each grabbing cubes of a different color. They count and build towers for each handful. Then they compare handfuls by asking: Which tower has the most cubes? the least? Were any the same?
- ✓ Collect Ten Together
 - Students play the game by rolling a dot cube to accumulate counters until they have 10. (At the beginning of the year, the students may collect a smaller amount of counters.)