Math 7 Period\_\_\_\_\_ 6.6.6 Homework Set Name\_\_\_\_\_

Date\_\_\_\_\_

- 1. A game was played where ten tennis balls are tossed into a basket from a certain distance. The numbers of successful tosses for six students were 4, 1, 3, 2, 1, 7.
  - a. Draw a representation of the data using cubes where one cube represents one successful toss of a tennis ball into the basket.

b. Represent the original data set using a dot plot.

2. The numbers of pockets in the clothes worn by four students to school today are 4, 1, 3, and 6. Paige produces the following cubes representation as she does the fair share process. Help her decide how to finish the process now that she has stacks of 3, 3, 3, and 5 cubes.



- 3. Suppose that the mean number of chocolate chips in 30 cookies is 14 chocolate chips.
  - a. Interpret the mean number of chocolate chips in terms of fair share.

If all \_\_\_\_\_ cookies could share equally, they would all have \_\_\_\_\_ chocolate chips.

b. Describe the dot plot representation of the fair share mean of 14 chocolate chips in 30 cookies.

The dot plot would have \_\_\_\_\_\_ dots and they would be centered around the number \_\_\_\_\_\_. The title would be \_\_\_\_\_\_ and the units at the bottom would be \_\_\_\_\_\_.

- 4. Suppose that the following are lengths (in millimeters) of radish seedlings grown in identical conditions for three days: 12 11 12 14 13 9 13 11 13 10 10 14 16 13 11.
  a. Find the mean length for these 15 radish seedlings.
  - b. Interpret the value from part (a) in terms of the fair share mean length.