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Date $\qquad$

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 $\qquad$ cookies could share equally, they would all have $\qquad$ 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 $\qquad$ dots and they would be centered around the number $\qquad$ . The title would be $\qquad$ and the units at the bottom would be $\qquad$ .
4. Suppose that the following are lengths (in millimeters) of radish seedlings grown in identical conditions for three days: $\begin{array}{lllllllllllll}12 & 11 & 12 & 14 & 13 & 9 & 13 & 11 & 13 & 10 & 10 & 14 & 16\end{array} 131$. 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.

