

5. A group of nine students has a mean of $3\frac{1}{3}$ people per household. Make a line plot showing a data set that fits this description.
6. A group of nine students has a mean of 5 people per household. The largest household in the group has 10 people. Make a line plot showing a data set that fits this description.

Connections

7. The students in Mr. Wilson's study hall spent the following amounts of time on their homework.

$\frac{3}{4}$ hour $\frac{1}{2}$ hour $1\frac{1}{4}$ hours $\frac{3}{4}$ hour $\frac{1}{2}$ hour

What is the mean time his students spent on homework?

8. **Multiple Choice** Use the data from Exercise 7. What is the median time Mr. Wilson's students spent on homework?

F. $\frac{1}{2}$ hour G. $\frac{3}{4}$ hour H. 1 hour J. $1\frac{1}{4}$ hour

9. A soccer league wants to find the average amount of water the players drink per game. There are 18 players on a team and 10 teams in the league. The players drank a total of 5,760 ounces of water during one day in which each team played exactly one game.

- a. How much water did each player drink per game if they each drank the same amount of water?
- b. Does this value represent the mean or the median? Explain.

