



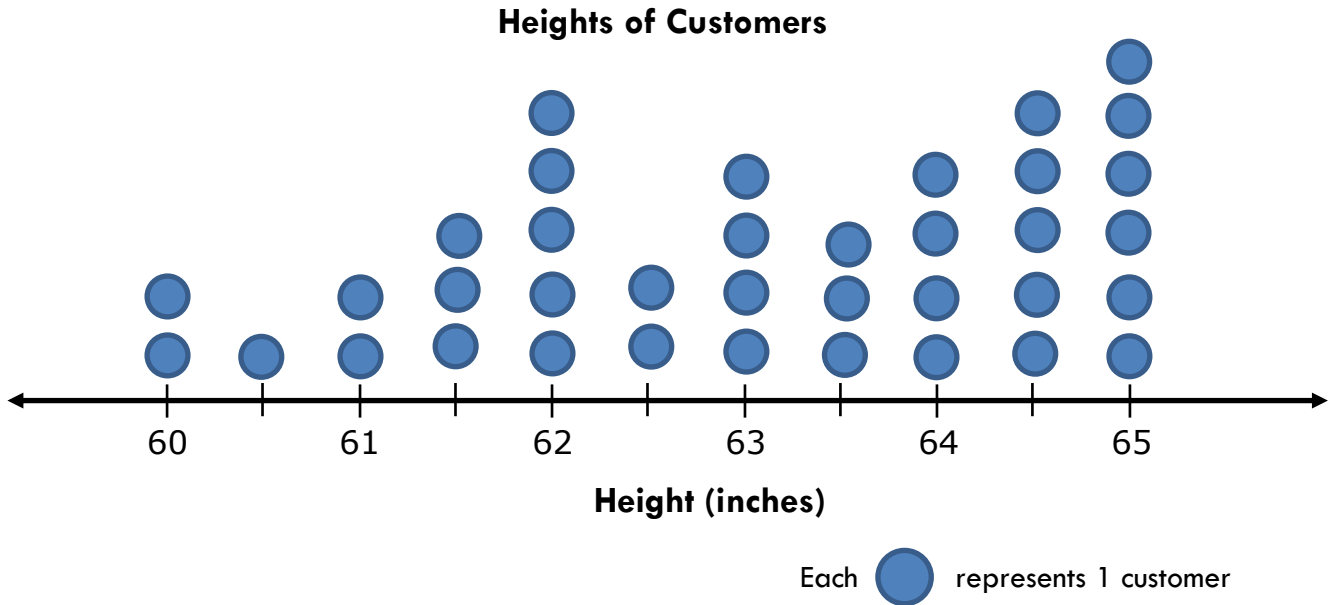
## Using and Comparing Data Representations

*Elaborate*

**Directions:** Use the graphs below to answer the questions.

Use the dot plot and scenario below to answer questions 1 – 4.

On Tuesday the heights of all customers at Dogs-R-Us were measured and recorded in the dot plot below.

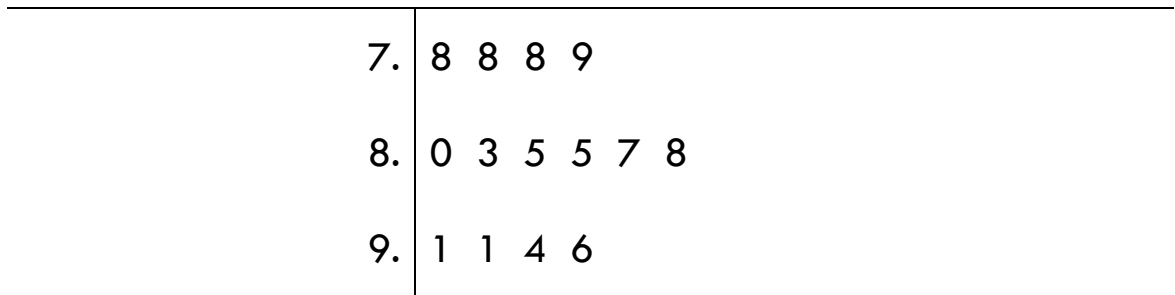


1. How many total customers were in the store on Tuesday?
  
2. How many customers were 62.5 inches or greater in height?
  
3. Were more customers less than 62 inches in height or more than 64 inches in height? How do you know?
  
4. How many customers were at least 62 inches in height, but not more than 63 inches in height?



Use the stem and leaf plot to answer questions 5 – 7.

**Diving Scores**



5. How many diving scores were 8.5 or greater?
  
6. What is the difference between the highest diving score and the lowest diving score?
  
7. What is the most commonly occurring diving score?

Use the frequency table to answer questions 8 – 10.

**Vehicle Colors in Teachers' Parking Lot**

Color of Vehicle	Frequency
White	5
Blue	4
Red	6
Black	8
Green	2

8. How many cars were blue or black?
  
9. What is the total number of cars in the parking lot?
  
10. Which is greater, the fraction of cars that were blue or red or the fraction fo cars that were black or green?



Name \_\_\_\_\_ Date \_\_\_\_\_

**Debriefing Questions:**

1. Which data representation tells you how many times a response occurs?
2. Which data representation displays data along a number line?
3. Which data representation displays data using place value?

