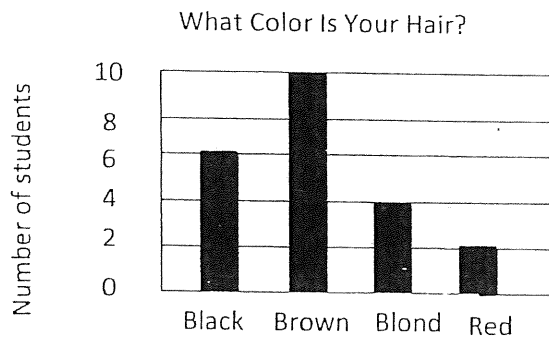


Name _____

Date _____

Grade 4/Unit 2 Post-Assessment: Describing the Shape of Data

Use the bar graph to find your answers.



1. How many students have blond hair? _____
 2. What color hair do most students have? _____
 3. How many students do **not** have black hair? _____
 4. How many students have red or brown hair? _____
-

In the following situation, identify the likelihood of each event as a fraction.

Johnny has 5 red marbles and 3 blue marbles in a box.

5. How likely is it that he will choose a blue marble?
 - A. more than $\frac{1}{2}$
 - B. $\frac{1}{2}$
 - C. less than $\frac{1}{2}$
 - D. 0
6. How likely is it that he will choose a green marble?
 - A. more than $\frac{1}{2}$
 - B. $\frac{1}{2}$
 - C. less than $\frac{1}{2}$
 - D. 0
7. How likely is it that he will choose a color that is on the American flag?
 - A. 0
 - B. $\frac{1}{2}$
 - C. 1
 - D. 2

Create a line plot using the data in the table below.

Number of Bags People Have When Leaving a Store

| Number of Bags | Tally Marks |
|----------------|-------------|
| 0 | I |
| 1 | IIII |
| 2 | III |
| 3 | II |
| 4 | I |
| 5 | II |
| 7 | I |
| 10 | I |

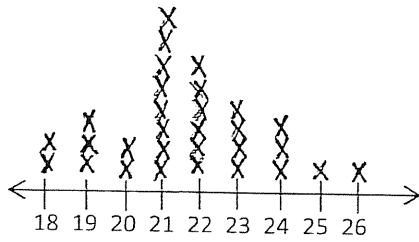
Number of Bags People Have When Leaving A Store



8. What are the fewest bags anyone had? _____
9. What is the range of this set of data? _____
10. What is the median? _____
11. What might be considered an outlier on this line plot? _____
12. What is the typical number of bags people had coming out of the grocery store? Use the data to support your thinking?

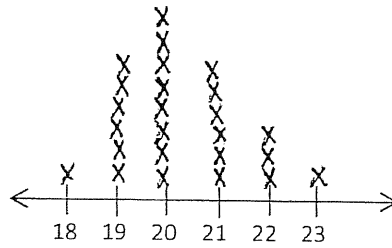
Use these line plots to choose the correct answer.

Weights of Scottish Terriers



Weight in pounds

Weights of Beagles



Weight in pounds

13. What is the weight of the heaviest Scottish Terrier? _____
14. What is the weight of the heaviest Beagle? _____
15. Compare the weights of the 2 groups.