

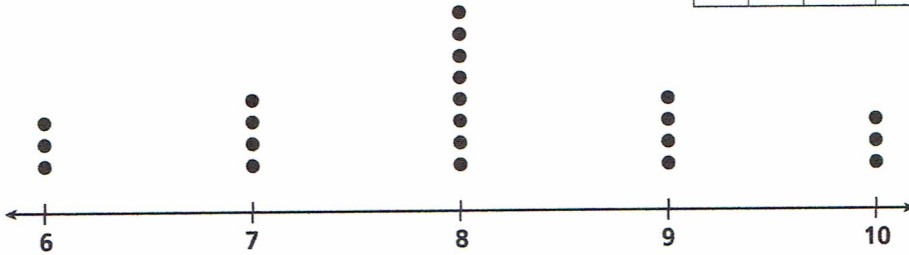
LESSON
5

Data Collection and Analysis

Practice B: Describing Distributions

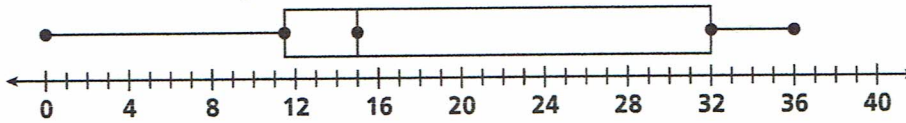
1. The data set and dot plot display the quiz scores for Mrs. Gutierrez's second-period math class. Describe the shape of the data distribution.

7	8	10	8	7	9	8	8
7	9	9	8	6	8	8	8
6	9	10	10	6	7		



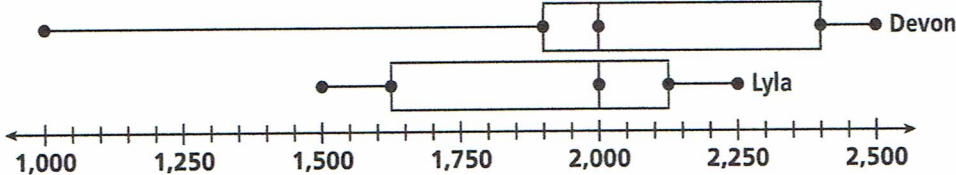
2. The data set and box-and-whisker plot display the number of customers a store had each hour it was open yesterday. Describe the shape of the data distribution.

0	14	16	21	36	30
35	8	11	14	34	12



3. Using the following box-and-whisker plots, describe how the distributions are alike and how they are different.

Lyla and Devon's Daily Swim Distance (in meters)



LESSON

5

Data Collection and Analysis

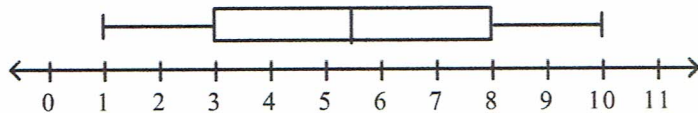
Puzzles, Twisters & Teasers: Let's see how the data differ....

What do you call it when a chicken stumbles as it crosses the street?

Decide if each statement is true or false, and circle your answer. Answer the riddle by writing the letter that is represented by each answer in the blanks which correspond to question numbers below.

The data set and box-and-whisker plot display the number of free throws made by ten basketball players during their last three games.

4	6	8	10	5
1	7	10	3	1



- | | | | | |
|--|------|----------|-------|----------|
| 1. There are two mode for this data. | TRUE | A | FALSE | R |
| 2. The lower extreme is zero (0). | TRUE | A | FALSE | P |
| 3. The range for this data set is 11. | TRUE | S | FALSE | R |
| 4. The median for this data is 5.5. | TRUE | T | FALSE | O |
| 5. The data is symmetrical about the center. | TRUE | I | FALSE | E |
| 6. The upper quartile is 7.5. | TRUE | C | FALSE | D |
| 7. The data is skewed. | TRUE | T | FALSE | R |
| 8. The interquartile range is 5. | TRUE | O | FALSE | P |

A _____ _____ _____ _____ _____ _____ _____

 3. 8. 1. 6. 4. 7. 5. 2.

