

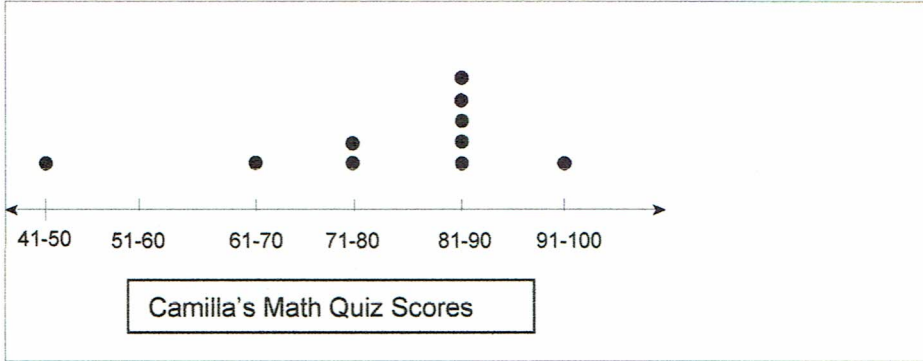
LESSON
5

Data Collection and Analysis

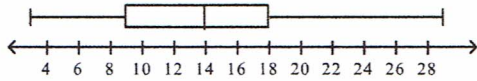
Practice C: Describing Distributions

1. The data set and dot plot display Camilla's math quiz scores for first semester. Describe the shape of the data distribution.

88	43	75	79	89
91	84	85	90	70



2. A student created the following box-and whisker plot from the data set {3, 5, 9, 10, 14, 17, 18, 26, 29}. Explain the error that the student made. Then draw the correct box-and-whisker plot.



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

Weight of Harrisburg and Centerville Football Teams Linemen (in pounds)



LESSON
5

Data Collection and Analysis

Challenge: Describing Distributions

With a friend, make or find a spinner divided into 4 equal parts. Label the parts 1, 2, 3, and 4. For each turn, spin the spinner twice and record the sum. Each take 7 turns.

Turn	Your Sums	Friend's Sums
1		
2		
3		
4		
5		
6		
7		

1. Use your data to make a box plot and find the IQR.



IQR: _____

2. Make a box plot of your friend's data and add it above your box. Find the IQR: _____
3. Compare the distribution of your data and your friend's data.

What is the center of data for each data set?

Yours: _____ Friend's: _____

What is the spread of the data in each data set?

Yours: _____ Friend's: _____

What are the measures of center for each data set?

Yours: Median _____ Mode _____ Mean _____

Friend's: Median _____ Mode _____ Mean _____

4. How would you describe the distribution of data for each data set?

Yours _____ Friend's _____