LESSON
7-2

Problem Solving
Mean, Median, Mode, and Range

Write the correct answer.

The table to the right shows the leading shot blockers in the WNBA during the 2003 season.

Player	Shots Blocked
Margo Dydek	100
Lauren Jackson	64
Lisa Leslie	63
Ruth Riley	58
Michelle Snow	62

1. What is the range of this set of data?

   _____

2. What are the mean, median, and mode of this set of data?

   _____

3. What is the outlier in this set of data?

   _____

4. How does the outlier affect the mean and the median?

   _____

   _____

5. Which measure of central tendency best describes the set of data with the outlier? Explain.

   _____

   _____

Choose the letter for the best answer.

In a 100-meter dash, the first 5 racers finished with the following times: 11.6 seconds, 13.4 seconds, 10.8 seconds, 11.8 seconds, and 13.4 seconds.

6. Which measure of central tendency for this set of data is 12.2 seconds?

   A mean

   B median

   C mode

   D none of the above

7. Which measure of central tendency for this set of data is 11.8 seconds?

   F mean

   G median

   H mode

   J none of the above

8. What is the mode for this set of data?

   A 10.8 seconds

   B 11.8 seconds

   C 13.4 seconds

   D none of the above

9. The sixth racer finished with a time of 16.4 seconds. How will that affect the mean for this set of data?

   F decrease it by 0.7 second

   G increase it by 0.7 second

   H increase it by 3.28 seconds

   J does not affect the mean

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