**Select the correct response.**

1. Does the mean or median best describe a typical value in the data set shown?

19, 18, 19, 18, 19, 19, 1, 19, 18, 19, 18

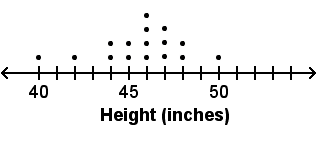
CircleA_M13EAN Mean

CircleB_M13EAN Median

CircleC_M13EAN Neither describe a value in the   
data well.

CircleD_M13EAN Both describe a value in the   
data well.

2. The dot plot shown displays the heights, in inches, of the students in one class. Which measure of variability best describes how spread out the heights of the students are?



CircleA_M13EAN Mean

CircleB_M13EAN Median

CircleC_M13EAN Mean absolute deviation

CircleD_M13EAN Interquartile range

3. The exam scores from the most recent math test are shown. What is the value of the measure that best describes a typical exam score? Round your answer to the nearest whole number.

93, 88, 76, 91, 92, 96, 100, 96, 74, 89, 94, 91

CircleA_M13EAN 90

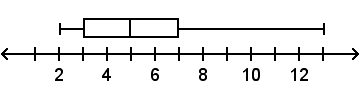
CircleB_M13EAN 91.5

CircleC_M13EAN 96

CircleD_M13EAN 100

**Answers on next page**

4. What measure best describes the variability of the data set displayed using the box plot shown?



CircleA_M13EAN Mean

CircleB_M13EAN Median

CircleC_M13EAN Mean absolute deviation

CircleD_M13EAN Interquartile range

5. The number of miles Cynthia travels each day is shown. What are the values of the measures of center and variability that best describe the data set?

57, 40, 35, 60, 56, 57, 59

CircleA_M13EAN The mean 52 miles and the mean absolute deviation about 8 miles

CircleB_M13EAN The median 57 miles and the interquartile range 19 miles

CircleC_M13EAN The mean 57 miles and the mean absolute deviation 19 miles

CircleD_M13EAN The median 52 miles and the interquartile range about 8 miles

Select all correct answers.

6. Which measures of center and variability best describe the data set shown?

17, 19, 15, 12, 10, 21, 2, 16, 18, 19, 20, 16, 11, 12, 17

CircleA_M13EAN Mean

CircleB_M13EAN Median

CircleC_M13EAN Mode

CircleD_M13EAN Mean absolute deviation

Description: CircleC_M13EAN Interquartile range

Description: CircleC_M13EAN Range

**Answers**

1. B

2. C

3. B

4. D

5. B

6. B, E