

**Check What You Know****Measures of Central Tendency and Measures of Variability**

Find the mean, median, mode, and range of each set of data. Round to the nearest tenth.

- | | | | |
|-----------|---------------|------------------------|------------------------|
| 1. | a | b | c |
| | 8, 9, 4, 2, 9 | 25, 17, 14, 29, 17, 24 | 6, 4, 0, 2, 5, 7, 1, 3 |
| | mean: _____ | mean: _____ | mean: _____ |
| | median: _____ | median: _____ | median: _____ |
| | mode: _____ | mode: _____ | mode: _____ |
| | range: _____ | range: _____ | range: _____ |

- 2.** Dana scored 80, 86, 79, and 81 on her first 4 math quizzes. What score does she need on the fifth quiz to reach an average of 84?
- a.** Equation: _____ **b.** Dana needs a score of _____.
- 3.** Kerry's Berries sold a mean of 24 quarts of blueberries per day. The store sold a total of 720 quarts during the sample period. How many days are in the sample?
- a.** Equation: _____ **b.** The sample has _____ days.

The stem-and-leaf plot represents a set of data. Use the plot to answer the questions.

- 4.** Which numbers in the set are in the 30–39 interval? _____
- 5.** What is the mode of the set? _____
- 6.** What is the median of the set? _____
- 7.** What is the lowest number in the set? _____
- 8.** What is the range of the set? _____

Stem	Leaves
2	1 4
3	2 5 7
4	1 3 4 9
5	6 6 8
6	1 1 1

Key: 2 | 4 = 24