REVIEW: Mean, Median, and Mode

Name _____

Key Concept and Vocabulary

mode = 1   median = 3.5

1, 1, 1, 3, 4, 5, 6, 7

$$\text{Mean} = \frac{1 + 1 + 1 + 3 + 4 + 5 + 6 + 7}{8}$$

$$= 3.5$$

Averages

Visual Model

Mean = 3.5
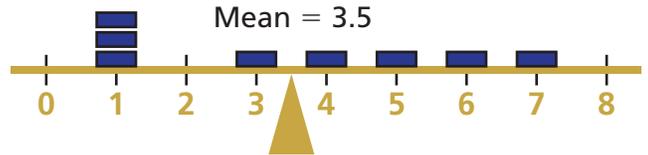
The scale balances at the mean.

Skill Example

1.   mode = 1   median = 4

Outlier

1, 1, 1, 3, 4, 5, 6, 7, (17)

$$\text{Mean} = \frac{1 + 1 + 1 + 3 + 4 + 5 + 6 + 7 + 17}{9}$$

$$= 5$$

Application Example

2. What is the mean weight of the bowling balls?

13 + 12 + 9 + 10 + 13 + 9 = 66

$$\text{Mean} = \frac{66}{6} = 11$$

∴ The mean is 11 pounds.

13 lb   **12 lb**
9 lb   **10 lb**
13 lb   **9 lb**
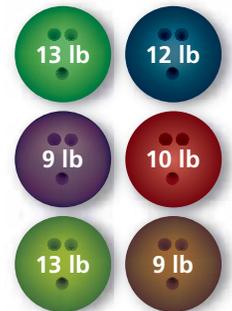
PRACTICE MAKES *PURR*-FECT™

Check your answers at BigIdeasMath.com.

Find the mean, median, and mode of the data.

3. 2, 6, 9, 10, 3, 4, 6, 12, 4, 13

Mean = ____, Median = ____, Mode = _____

4. 30, 48, 32, 43, 45, 32

Mean = ____, Median = ____, Mode = _____

5. 18, 12, 25, 18, 17, 19, 29, 20, 13, 18

Mean = ____, Median = ____, Mode = _____

6. 6.8, 6.2, 6.3, 6.8, 5.9, 6.0, 6.1, 5.9

Mean = ____, Median = ____, Mode = _____

7. −4, 5, 3, −2, 1, 0, −2

Mean = ____, Median = ____, Mode = _____

8. 2, 5, 5, 0, 12, 5, 7, 8, 12, 9

Mean = ____, Median = ____, Mode = _____

9. SALARIES The weekly salaries of six employees at a fast-food restaurant are $140, $220, $90, $180, $140, and $200. Find the mean, median, and mode of these salaries.

Mean = _____, Median = _____, Mode = _____

10. PUPPIES A litter of puppies is 8 weeks old. Find the mean, median, and mode weights of the puppies.

Mean = _____, Median = _____, Mode = _____

5.1 lb   5.2 lb   5.4 lb   6.0 lb

3.7 lb   5.5 lb   4.8 lb