

REVIEW: Mean, Median, and Mode

Name _____

Key Concept and Vocabulary

mode = 1


median = 3.5

↓ ↓ ↓ ↓

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

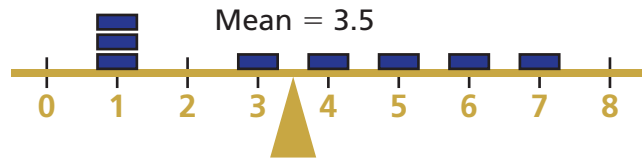
Mean = $\frac{1 + 1 + 1 + 3 + 4 + 5 + 6 + 7}{8}$

= 3.5



Averages

Visual Model



The scale balances at the mean.

Skill Example

1. mode = 1 median = 4

↓ ↓ ↓ ↓

1, 1, 1, 3, 4, 5, 6, 7, 17 Outlier

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?

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

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

••• The mean weight is 11 pounds.



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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 = _____

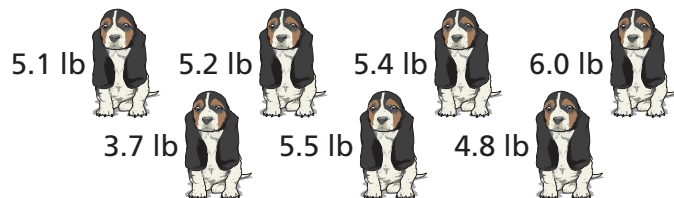
8. 2, 5, 5, 0, 12, 5, 7, 8, 12, 9

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 of the weights of the puppies.



Mean = _____, Median = _____, Mode = _____