

# REVIEW: Mean, Median, and Mode

Name \_\_\_\_\_

## Key Concept and Vocabulary

mode = 1      median = 3.5


↓ ↓ ↓      ↓

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

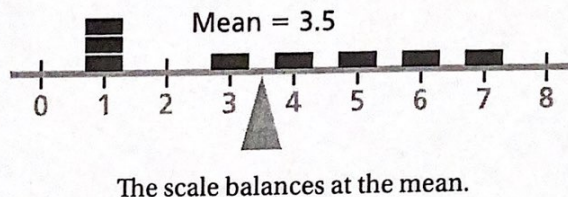
Mean =  $\frac{1+1+1+3+4+5+6+7}{8}$

= 3.5

Averages



## Visual Model



## 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

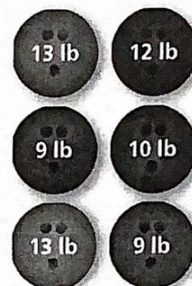
## Application Example

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](http://BigIdeasMath.com).

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

3. ~~2, 6, 9, 10, 3, 4, 6, 12, 4, 13~~  
 2, 3, 4, 4, 6, 9, 10, 12, 13  
 Mean = 6.9, Median = 6, Mode = 6 and 4

4. ~~30, 48, 32, 43, 45, 32~~      30, 32, 32, 43, 45, 48  
 Mean = 38.3, Median = 37.5, Mode = 32

5. ~~18, 12, 25, 18, 17, 19, 29, 20, 13, 18~~  
 12, 13, 17, 18, 18, 19, 20, 25, 29  
 Mean = 16.9, Median = 18, Mode = 18

6. ~~6.8, 6.2, 6.3, 6.8, 5.9, 6.0, 6.1, 5.9~~  
 5.9, 5.9, 6.0, 6.1, 6.2, 6.3, 6.8, 6.8  
 Mean = 6.25, Median = 6.15, Mode = 5.9 and 6.8

7. ~~-4, 5, 3, -2, 1, 0, -2~~  
 -4, -2, -2, 0, 1, 3, 5  
 Mean = 0.14, Median = 0, Mode = -2

8. ~~2, 5, 5, 0, 12, 5, 7, 8, 12, 9~~  
 0, 2, 5, 5, 5, 7, 8, 9, 12, 12  
 Mean = 5, Median = 6, Mode = 5

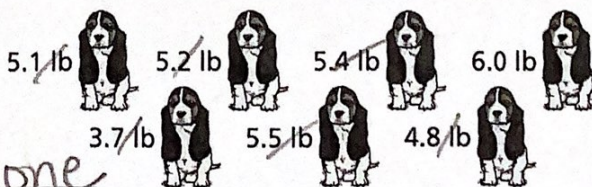
9. **SALARIES** The weekly salaries of six employees at a fast-food restaurant are \$140, \$220, \$90, \$180, \$140, and \$200. Find the mean, median, and mode of these salaries.

Mean = \$161.70, Median = \$160, Mode = \$140

90, 140, 140, 180, 200, 220

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

Mean = 5.1, Median = 5.2, Mode = none



3.7, 4.8, 5.1, 5.2, 5.4, 5.5, 6