

Lesson 2-8 • Apply Day

Reinforce Understanding

Reaching a Target Mean

I can determine the mean of a data set, use a target mean to find a missing value, and explain the mean as the fair share and the balance point of the data.

Worked model

A player scored 12, 18, 14, and 16 points in four games. She wants a mean of 16 over five games.

1. Turn the target mean into a target total: multiply the target by the five games.
2. The target total is 80 points.
3. Add the four scores she already has. They come to 60 points.
4. Take the points she has away from the target total to find the last score.

Answer: She needs 20 points in the fifth game to reach a mean of 16.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Find the mean, median, and mode of the new data set: 2, 4, 5, 7, 8.

Complete each step, then write the final answer.

1. Add all values: ____.
2. Divide by 5 for the mean: ____.
3. Find the middle value: ____.
4. Name the value that repeats most, or write none: ____.

Answer: _____

2. Find the mean, median, and mode of the new data set: 3, 5, 6, 8, 9.

Complete each step, then write the final answer.

1. Add all values: ____.
2. Divide by 5 for the mean: ____.
3. Find the middle value: ____.
4. Name the value that repeats most, or write none: ____.

Answer: _____

3. Find the mean, median, and mode of the new data set: 4, 6, 7, 7, 10.

Complete each step, then write the final answer.

1. Add all values: ____.
2. Divide by 5 for the mean: ____.
3. Find the middle value: ____.
4. Name the value that repeats most, or write none: ____.

Answer: _____