

Lesson 2-8

Reinforce Understanding

Describe Data Using the 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

Five afternoons of dog walking earned 14, 21, 17, 19, and 24 dollars. Find the mean.

1. Add every value. The five amounts give a total of 95 dollars.
2. Count the values. There are five of them.
3. Share the total evenly: divide it by the count of values.
4. Check: the mean should land between the least and the greatest value.

Answer: The mean is 19 dollars — what each afternoon would earn if the money were shared evenly.

Practice

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

1. Put the steps for finding the mean in the correct order.

Write the name of the correct group on each line.

Groups: Steps to find the mean (in order)

- _____ Step 1: Add every value in the data set to find the total
- _____ Step 2: Count how many values are in the data set
- _____ Step 3: Divide the total by the number of values
- _____ Step 4: Check that the answer lands between the smallest and largest value

2. Find the mean of: 4, 6, 8, 10

Circle the letter of the best answer. Show how you know.

- A. 6
- B. 7
- C. 8
- D. 28

3. Miguel earned \$60 walking dogs over 4 days. What is his mean daily earning?

Circle the letter of the best answer. Show how you know.

- A. \$4
- B. \$15
- C. \$20
- D. \$60

Show your work
