

## Lesson 2-8 • Group 1

# Reinforce Understanding

## 2.8 Small Group • Group 1

With my small group, 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 — one step at a time, with support.

### 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. Complete the table.

Complete the table. Show how you found each value.

| Data Set            | Total | How Many Values | Mean |
|---------------------|-------|-----------------|------|
| 6, 9, 12, 9         |       |                 |      |
| 20, 14, 16, 18, 22  |       |                 |      |
| 5, 8, 8, 11, 13, 15 |       |                 |      |

Show your work

#### 3. 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