

# Mid-Chapter Check

## Vocabulary Check

1. Define *mean*. Then determine the mean of the following data set {22, 18, 38, 6, 24, 18}. (Lesson 1)

**The mean, or average, is the sum of the data divided by the number of pieces of data; 21**

2. Fill in the blank in the sentence below with the correct term. (Lesson 2)

The **mode** is the number or numbers that occur most often in a set.

## Skills Check and Problem Solving

Find the mean of each data set. (Lesson 1)

- |  |   |
|--|---|
| 3. number of home runs by baseball players in a season: 43, 21, 35, 15, 35 | 4. number of different birds spotted: 7, 10, 13, 9, 12, 3 |
| <b>29.8</b>  | <b>9</b>  |

Find the median and mode for each set of data. (Lesson 2)

- |  |   |
|--|---|
| 5. hours spent studying: 4, 2, 5, 7, 1 | 6. heights of buildings in feet: 35, 42, 40, 25, 42, 54, 50 |
| <b>median: 4; mode: none</b>           | <b>median: 42; mode: 42</b>                                 |

7. **CCSS Use Math Tools** Use the table that shows the lengths of different lizards. Find and compare the median and mode of the data. (Lesson 2)

**median: 14.5; mode: 14; The median is 0.5 cm larger than the mode.**

Lizard Length (cm)			
14	12	14	14
19	18	11	16
30	12	19	15

8. **CCSS Persevere with Problems** The table shows the number of minutes spent doing different exercises. The mean time spent exercising was 18.2 minutes. How many minutes were spent doing sit-ups? (Lesson 2)

**15 min**

Daily Exercises	
Exercise	Time (min)
Pull-ups	8
Push-ups	10
Running	38
Sit-ups	■
Weight lifting	20