

**2-6**

**Practice: Skills**

*Mean*

Find the mean for each set of data.

- 1. 6, 9, 2, 4, 3, 6, 5
- 2. 25, 18, 14, 27, 25, 14, 18, 25, 23
- 3. 13, 6, 7, 13, 6
- 4. 8, 2, 9, 4, 6, 8, 5
- 5. 13, 7, 17, 19, 7, 15, 11, 7
- 6. 1, 15, 9, 12, 18, 9, 5, 14, 7
- 7. 28, 32, 23, 43, 32, 27, 21, 34
- 8. 30, 16, 29, 32, 14, 21, 26
- 9. 42, 35, 27, 42, 38, 35, 29, 24
- 10. 157, 124, 157, 124, 157, 139

Identify the outlier or outliers in each set of data.

11.

Price	Tally	Frequency
\$10		4
\$20		5
\$30		3
\$40		1

12.

Stem	Leaf
2	0 1 4 7
3	0 0 1 5 6
4	3 6
5	7

$2|4 = 24$

**WEATHER** Use the data in the table that shows daily temperatures.

Day	Temp. (°F)
Monday	69
Tuesday	70
Wednesday	73
Thursday	35
Friday	68

- 13. Identify the outlier.
- 14. What is the mean of the data with the outlier included?
- 15. What is the mean of the data without the outlier included?
- 16. How does the outlier temperature affect the mean of the data?

**2-6****Practice: Word Problems****Mean**

**ANIMALS** For Exercises 1-3, use the table about bears.

Bear	Average Height (ft)	Average Weight (lb)
Alaskan Brown	8	1,500
Black	6	338
Grizzly	7	588
Polar	7	850

1. You are writing a report on bears. You are analyzing the data on heights and weights in the table above. First look for outliers. Identify the outlier for the height data. Identify the outlier for the weight data.

2. Find the mean of the bear weight data with and without the outlier.

3. Describe how the outlier affects the mean of the bear weight data.

4. **WORK** Carlos earned \$23, \$29, \$25, \$16, and \$17 working at an ice cream shop after school. What is the mean amount he earned?

5. **CARS** The cost of a tank of gas at nine different gas stations is shown below. What was the mean cost of a tank of gas?

Cost of Gas: \$17, \$18, \$22, \$15, \$17,  
\$16, \$25, \$21, and \$20

6. **SCHOOL** Sally received scores on math quizzes as shown below. Find her mean score with and without both outliers.

Quiz Scores: 84, 85, 91, 81, 52, 92, 99,  
91, and 45