Worksheet **5.1**

Averages, Medians, and Modes.

Find the average for the set of numbers. See examples on page 271 in text.

1. Monthly checking account fees: $17, $14, $4, $13, $5, $3, $6
Round your answer to the nearest whole number if necessary.

A) $8 B) $6 C) $9 D) $13

Find the average. See examples on page 272 in text.

2. The five sales people at Southwest Appliances earned commissions last year of $19,000, $23,000, $45,000, $14,000, and $34,000. Find the average commission.

A) $28,350 B) $25,650 C) $27,000 D) $29,700

Solve the problem. See examples on page 273 in text.

3. To get an A in biology, Fred must average 83 on six quizzes. Scores on the first five quizzes were 91, 70, 76, 82, and 95. What is the lowest score that Fred can get on the last quiz and still receive an A?

A) 83 B) 85 C) 84 D) 153

4. Samuel consumed 2131 calories of food on Monday, 2387 calories on Tuesday, and 1881 calories on Wednesday. In order for Samuel's average calorie intake to equal a daily average of 2100 calories, how many calories of food must he consume on Thursday?

A) 2125 calories B) 2044 calories C) 2001 calories D) 2133 calories

Find the median for the set of numbers. See examples on pages 273-274 in text.

5. 46, 22, 6, 1, 26, 13, 28, 32, 34, 31

A) 28 B) 27 C) 24 D) 26

Find the median for the set of numbers. See examples on pages 273-274 in text.

6. 71, 127, 233, 276, 300, 409

A) 202.5 B) 233 C) 276 D) 254.5

Find the mode or modes for the set of numbers. *See examples on page 274 in text.*

7. 5, 9, 24, 3, 2, 8, 54, 1, 4, 16

A) 8 B) 9 C) 12 D) No mode

Multiply. See examples on pages 156-158 in text.

8. 23,078.660 $\times$ 0.001

A) 2,307,866 B) 230,786.6 C) 23,078.660 D) 23.07866

Divide. See examples on pages 166-167 in text.

9. $\dfrac{450.6333}{1000}$

A) 450,633.3 B) 45.063 33 C) 0.450 633 3 D) 4.506 333

Subtract. Write a mixed numeral for the answer. See examples on page 112 in text.

10.
$$\begin{array}{r} 20\,\frac{1}{5} \\ -\ \frac{13}{15} \\ \hline \end{array}$$

A) $20\frac{1}{3}$ B) $18\frac{1}{3}$ C) $19\frac{1}{3}$ D) 19