

Name \_\_\_\_\_

Date \_\_\_\_\_

**LESSON**  
**2.6****Practice B***For use with pages 103–108***Find the multiplicative inverse of the number.**

1.  $-7$

2.  $-\frac{1}{5}$

3.  $-\frac{7}{8}$

**Find the quotient.**

4.  $-32 \div (-2)$

5.  $-1 \div \left(-\frac{6}{5}\right)$

6.  $14 \div \left(-\frac{2}{7}\right)$

7.  $17 \div \left(-2\frac{1}{8}\right)$

8.  $-\frac{3}{4} \div 4$

9.  $-\frac{1}{3} \div \frac{1}{5}$

10.  $-\frac{1}{9} \div (-8)$

11.  $-\frac{6}{11} \div (-3)$

12.  $\frac{5}{8} \div \left(-2\frac{1}{2}\right)$

**Find the mean of the numbers.**

13.  $1, -3, -10$

14.  $-15, 4, -22$

15.  $-7.5, 3, -6.5$

**Simplify the expression.**

16.  $\frac{-8x + 27}{9}$

17.  $\frac{15x - 5}{-5}$

18.  $\frac{12x - 20}{-4}$

**LESSON**  
**2.6****Practice B** *continued*  
*For use with pages 103–108*

- 19. Melting Point** The melting point of the element fluorine is  $-219.62^{\circ}\text{C}$ . The melting point of the element bromine is  $-7.2^{\circ}\text{C}$ . How many times lower is the melting point of fluorine than the melting point of bromine? Round your answer to the nearest tenth.
- 20. Website Traffic** During a 3-month period, the traffic to a website dropped by 126,000 visitors. Find the average rate of change in the traffic to the website (in visitors per month) over the 3-month period.
- 21. Average Velocity** The velocity of an object indicates the object's speed and the direction in which the object is traveling. A negative velocity indicates that the object is moving downward or backward. A hawk is diving downward at a rate of 50 feet in 28 seconds. Find the hawk's average velocity (in feet per second). Round your answer to the nearest tenth.
- 22. Health Club** The table below shows change in the number of memberships at a health club. What is the average change in the number of memberships (in members per month)?
- | Month                           | Nov. | Dec. | Jan. | Feb. | Mar. |
|---------------------------------|------|------|------|------|------|
| Change in number of memberships | 18   | 10   | 40   | -25  | -15  |
- 23. Bank Account Activity** During a 14-day period, there is the following activity on your bank account. You deposit \$100, withdraw \$75, deposit \$85, and withdraw \$150. What is the rate of change (in dollars per day) in your bank account? Round your answer to the nearest cent.