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

Find the multiplicative inverse of the number.

1. -7
2. $-\dfrac{1}{5}$
3. $-\dfrac{7}{8}$

Find the quotient.

4. $-32 \div (-2)$
5. $-1 \div \left(-\dfrac{6}{5}\right)$
6. $14 \div \left(-\dfrac{2}{7}\right)$

7. $17 \div \left(-2\dfrac{1}{8}\right)$
8. $-\dfrac{3}{4} \div 4$
9. $-\dfrac{1}{3} \div \dfrac{1}{5}$

10. $-\dfrac{1}{9} \div (-8)$
11. $-\dfrac{6}{11} \div (-3)$
12. $\dfrac{5}{8} \div \left(-2\dfrac{1}{2}\right)$

Find the mean of the numbers.

13. $1, -3, -10$
14. $-15, 4, -22$
15. $-7.5, 3, -6.5$

Simplify the expression.

16. $\dfrac{-8x + 27}{9}$
17. $\dfrac{15x - 5}{-5}$
18. $\dfrac{12x - 20}{-4}$

19. **Melting Point** The melting point of the element fluorine is $-219.62°C$. The melting point of the element bromine is $-7.2°C$. 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.

LESSON 2.6