

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

1. -22

2. -5

3. -4

4. $-\frac{1}{4}$

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

6. $-\frac{5}{6}$

Find the quotient.

7. $-25 \div 5$

8. $36 \div (-4)$

9. $-48 \div (-4)$

10. $-12 \div \frac{1}{2}$

11. $24 \div \left(-\frac{2}{3}\right)$

12. $-10 \div \frac{2}{5}$

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

14. $\frac{10}{11} \div (-5)$

15. $-1 \div \left(-\frac{3}{2}\right)$

Find the mean of the numbers.

16. $-6, 4$

17. $-7, -9$

18. $-13, -2$

19. $-2, -9, 8$

20. $-5, 2, -3$

21. $3, -5, -28$

Simplify the expression.

22. $\frac{2x+6}{2}$

23. $\frac{10x-5}{5}$

24. $\frac{3x-6}{-3}$

25. Melting Point The melting point of the element nitrogen is -210°C . The melting point of the element bromine is -7.2°C . How many times lower is the melting point of nitrogen than the melting point of bromine? Round your answer to the nearest tenth.

26. Beach Erosion During a 4-year period, 20 square miles of a beach's shoreline has eroded. Find the average rate of change (in square miles per year) in the number of square miles of shoreline over the 4-year period.

27. Peregrine Falcon 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 peregrine falcon is diving downward at a rate of 220 feet in 2 seconds. Find the average velocity of the falcon (in feet per second).

28. Weather The table below shows the low temperatures in a town during five days in February. Find the mean low temperature for the 5-day period.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Temperature ($^{\circ}\text{F}$)	-4°	-3°	0°	-1°	-2°