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

Find the quotient.

1. $-28 \div \left(-\dfrac{4}{7}\right)$

2. $19 \div \left(-3\dfrac{1}{6}\right)$

3. $-\dfrac{5}{8} \div 4$

4. $-1 \div \left(-\dfrac{8}{5}\right)$

5. $-\dfrac{1}{4} \div (-15)$

6. $-\dfrac{7}{10} \div (-5)$

7. $20 \div \left(-\dfrac{3}{5}\right)$

8. $\dfrac{1}{9} \div \left(-\dfrac{7}{9}\right)$

9. $-\dfrac{3}{8} \div \dfrac{3}{4}$

Find the mean of the numbers.

10. $-5, 1, -16, 7$

11. $7.4, -8.3, 9.5, -10.6$

12. $-3.5, -8.7, 11.2, -3.6$

13. $4.2, -10.5, -11.2, 2.6$

14. $9.6, -3.3, 8.9, -13.5$

15. $-6.3, 3.8, -9.9, -10.4$

Simplify the expression.

16. $\dfrac{-7x + 21}{-7}$

17. $\dfrac{24x - 48x}{12}$

18. $\dfrac{38x - 28}{-2}$

19. **Stock Market** During a 3-hour period, one share of a particular stock dropped $2.17. Find the average rate of change in the value of the stock (in dollars per hour) over the 3-hour period. Find the average rate of change in the value of the stock (in dollars per minute). Round your answers to the nearest cent.

20. **Speeding** A city installed sensors that indicate a driver's speed on a roadway where the city has problems with drivers traveling over the speed limit. During a 30-day period, the city found that the number of speeders dropped by 360 drivers. Find the rate of change in the number of speeders (in drivers per day).

21. **Balancing a Cash Drawer** The table below shows the difference between the money in a store's cash drawer and the daily receipts during a 5-day period. Find the average amount (in dollars per day) the drawer is off during the 5-day period.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Difference (dollars)	4.50	−3.75	−0.80	2.10	−0.25

22. **Flu Cases** The table below shows the number of flu cases in a particular doctor's office during a 5-day period. Find the change per day in the number of flu cases. Then find the mean change in the number of flu cases over the 5-day period.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Number of flu cases	10	8	14	16	9