

EXERCISES

For more practice, see *Extra Practice*.

A Practice by Example

Example 1
(page 43)

Find each quotient.

1. $328.25 \div 13$ 2. $7 \overline{)255.5}$ 3. $237.6 \div 33$ 4. $32 \overline{)258.24}$
 5. $84 \overline{)26.46}$ 6. $144.54 \div 6$ 7. $27 \overline{)99.36}$ 8. $38.27 \div 43$

9. Four friends share a pizza that costs \$12.72. How much does each friend owe for his or her share?

Example 2
(page 44)

Find each quotient. Identify each as a terminating or repeating decimal.

10. $9 \div 4$ 11. $6 \div 11$ 12. $512 \div 80$ 13. $19 \div 25$
 14. $15 \div 33$ 15. $3 \div 16$ 16. $17 \div 20$ 17. $17 \div 180$

Example 3
(page 44)

Draw a model to find each quotient.

18. $0.6 \div 0.3$ 19. $1.6 \div 0.8$ 20. $0.9 \div 0.1$ 21. $0.3 \div 0.15$

22. A pack of baseball cards costs \$2.75. A friend tells you that each card costs \$.25. Draw a model to find the number of cards in the pack.

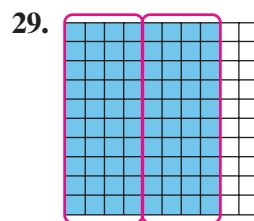
Example 4
(page 45)

Find each quotient.

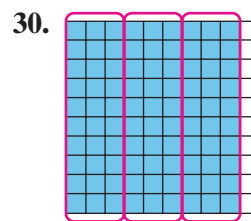
23. $29.5 \div 0.4$ 24. $8.9 \overline{)6.497}$ 25. $3.1 \overline{)10.261}$
 26. $16.8 \div 2.4$ 27. $0.96 \overline{)0.144}$ 28. $10.54 \div 0.17$

B Apply Your Skills

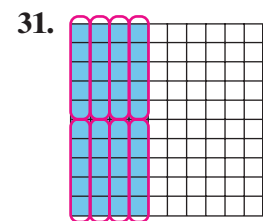
Complete each equation.




$\blacksquare \div 0.4 = 2$



$0.9 \div 0.3 = \blacksquare$





$0.4 \div \blacksquare = 8$

-  32. **Bridges** A bicyclist riding across the Great Seto Bridge can travel 500 meters in 1 minute. A person walking can travel 100 meters in 1 minute. How many minutes shorter is the bicycle trip than the walk? Use the caption at the left.

Find each quotient. Round each answer to the nearest hundredth.

33. $64.97 \div 3.2$ 34. $10.126 \div 2.3$ 35. $26.81 \div 3.3$ 36. $5.637 \div 0.17$

-  **37. Museums** Seventeen students each bought two posters at the museum shop. The total cost was \$168.30. What was the price per poster?
-  **38. School Supplies** A stack of paper measures 0.9 centimeter thick. Each piece of paper is 0.01 centimeter thick.
- How many pieces of paper are in the stack?
 - Could each of 25 students get three pieces of paper?

Find each quotient. Identify each as a terminating or repeating decimal.

39. $3.5 \div 0.7$


40. $7 \overline{)54}$

41. $27 \overline{)5.4}$

42. $36 \div 0.33$

43. $0.59 \overline{)0.0649}$

44. $1.5 \overline{)4.48}$

-  **Gas Mileage** Find the gas mileage. Round to the nearest tenth. To find the gas mileage of a vehicle in miles per gallon, divide the number of miles driven by the number of gallons of gas used.

45. A family car travels 367.9 miles on 12.5 gallons of gas.

46. A hybrid car travels 414.3 miles on 6.6 gallons of gas.

 **Challenge**

47. **Reasoning** Suppose you know a car's gas mileage and the number of miles the car traveled. How would you find the amount of gas used?
48. **Stretch Your Thinking** All of the digits in a certain 4-digit whole number are different. The first digit, reading from the left, is twice the fourth digit. The second digit is twice the first digit. The last digit is twice the third digit. What is the number?



Test Prep

Multiple Choice

49. Which quotient is greatest?
A. $0.075 \div 5$ B. $0.75 \div 10$ C. $0.625 \div 25$ D. $7.5 \div 10$
50. Which quotient is equivalent to three and eight-tenths divided by thirty-two thousandths?
F. $0.032 \div 3.8$ G. $0.32 \div 3.8$ H. $3.8 \div 0.032$ I. $3.8 \div 0.32$
51. The quotient $1.35 \div 0.4$ is nearest which value?
A. 0.3 B. 3 C. 30 D. 300
52. Suppose regular unleaded gasoline costs \$1.559 per gallon. You spent \$6 on gasoline. About how many gallons did you buy?
F. 3 gallons G. 4 gallons H. 5 gallons I. 6 gallons



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Mixed Review

Lesson 1-7

Find each product.

53. 9.07×0.025

54. 0.145×0.12

55. $8.3 \cdot 5.6$

56. $15(0.87)$

57. $(1.013)5$

58. $3.0 \cdot 0.7$