

Review

Chapter 6

Multiply and Divide Decimals

Vocabulary Check



Match each word to its definition. Write your answers on the lines provided.

- | | |
|--------------------------------------|---|
| 1. Commutative Property _____ | A. The product of any factor and 1 is equal to the factor. |
| 2. compatible numbers _____ | B. Finding the approximate value of a number. |
| 3. Identity Property _____ | C. The order in which factors are multiplied does not change the product. |
| 4. Associative Property _____ | D. Numbers like 10, 100, and 1,000, because they can be written as 10^1 , 10^2 , and 10^3 . |
| 5. powers of 10 _____ | E. Numbers that are easy to multiply mentally. |
| 6. rounding _____ | F. The grouping of the factors does not change the product. |

Concept Check



Estimate each product.

7. $\$4.80 \times 5$

8. 3.36×4

9. 10.8×7

Multiply. Check for reasonableness.

10. $6 \times 1.8 =$ _____

11.
$$\begin{array}{r} 4.6 \\ \times 5 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 7.16 \\ \times 2.1 \\ \hline \end{array}$$

Multiply. Tell which property you used.

13. $50 \times (20 \times 1.3) =$ _____

14. $2 \times (50 \times 5.6) =$ _____

Estimate each quotient.

15. $20.6 \div 4$

16. $24.3 \div 8$

17. $118.1 \div 10$

Divide. Check your answer using multiplication.

18. $102.6 \div 10^2 =$ _____

19. $1.8 \div 0.08 =$ _____

20. $6.2 \overline{)12.71}$

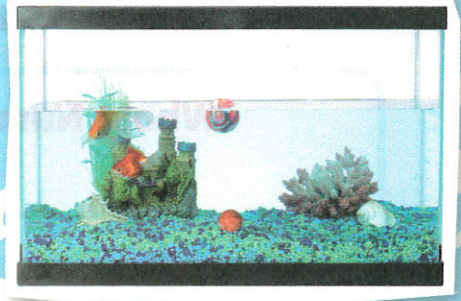
Name



Problem Solving

21. Kasi bought 7 pounds of mozzarella cheese. Each pound costs \$4.29. About how much did he spend altogether?

22. Ariel buys 2 fish tanks at the pet store. Each tank holds 9.7 liters of water. How many liters of water will she need to fill both tanks?



23. It costs \$4.25 for one pound of roast beef. How much will it cost to purchase 2.5 pounds of roast beef? Round to the nearest cent.

24. Describe the pattern below. What are the next two numbers?

0.41, 0.82, 1.64, 3.28

25. The total bill for a dinner party was \$113.58. If each person pays \$12.62, how many people attended the dinner party?

Test Practice

26. Sofia paints a rectangular mural on the wall. The area of the mural is 128.52 square feet. The mural is 12.6 feet wide. What is the height of the mural?

- (A) 115.92 ft (C) 10.2 ft
(B) 105.2 ft (D) 8.6 ft