

Review

Chapter 5

Multiply with Two-Digit Numbers

Vocabulary Check



Using the word bank below, write the correct word in each blank.

Associative Property

Commutative Property

Distributive Property

operation

partial products

1. This property states that the order in which two numbers are multiplied does not change the product.

$$23 \times 11 = 11 \times 23$$

2. In the equation $32 \times 10 = 320$, the multiplication symbol represents this process.
- _____

3.

$$\begin{array}{r} 18 \\ \times 27 \\ \hline 126 \\ + 360 \\ \hline 486 \end{array}$$



4. This property states that the grouping of the factors does not change the product.
- _____

5. This property states that multiplying a sum by a number is the same as multiplying each addend by the number and then adding the products.

$$\begin{aligned} 2 \times 12 &= 2 \times (10 + 2) \\ &= (2 \times 10) + (2 \times 2) \\ &= 20 + 4 \\ &= 24 \end{aligned}$$

Concept Check

Multiply.

6.
$$\begin{array}{r} 90 \\ \times 90 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 34 \\ \times 80 \\ \hline \end{array}$$

8.
$$\begin{array}{r} \$28 \\ \times 40 \\ \hline \end{array}$$

9.
$$\begin{array}{r} \$45 \\ \times 30 \\ \hline \end{array}$$

Estimate. Circle whether the estimate is *greater than* or *less than* the actual product.

10.
$$\begin{array}{r} \$24 \rightarrow \\ \times 31 \rightarrow \\ \hline \end{array} \times \underline{\quad}$$

greater than
less than

11.
$$\begin{array}{r} 48 \rightarrow \\ \times 89 \rightarrow \\ \hline \end{array} \times \underline{\quad}$$

greater than
less than

12.
$$\begin{array}{r} 37 \rightarrow \\ \times 66 \rightarrow \\ \hline \end{array} \times \underline{\quad}$$

greater than
less than

13.
$$\begin{array}{r} \$52 \rightarrow \\ \times 84 \rightarrow \\ \hline \end{array} \times \underline{\quad}$$

greater than
less than

Multiply.

14.
$$\begin{array}{r} 63 \\ \times 46 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 26 \\ \times 34 \\ \hline \end{array}$$

16.
$$\begin{array}{r} \$72 \\ \times 49 \\ \hline \end{array}$$

17.
$$\begin{array}{r} \$55 \\ \times 41 \\ \hline \end{array}$$



Name



Problem Solving

18. A football coach orders 30 jerseys for his football team. The jerseys cost \$29 each. What is the total cost of the jerseys?

19. Julio scores 18 points in each basketball game. If there are 14 games in a season and Julio continues to score 18 points each game, how many points will Julio score?

20. There are 30 students in each class. There are 27 classrooms. How many students are there altogether?

21. Tamara makes \$12 an hour. She worked 28 hours this week. About how much money will she make?

22. Austin's allowance is \$15 per week. He spends \$4 each week on baseball cards. How much money will Austin have at the end of 12 weeks?

Test Practice

23. A jumbo can of vegetables has 36 servings. How many servings of vegetables are in 18 cans?

- (A) 648 servings (C) 608 servings
(B) 324 servings (D) 54 servings

My Work!