

Name : \_\_\_\_\_

Score : \_\_\_\_\_ Date : \_\_\_\_\_

# Associative Property of Multiplication

$$A \times (B \times C) = (A \times B) \times C$$

Find the missing number based on the associative property. One is solved for you.

1  $5 \times (3 \times 4) = (5 \times 3) \times \underline{4}$

2  $(3 \times 4) \times 2 = 3 \times (\underline{\quad} \times 2)$

3  $6 \times (2 \times 1) = (6 \times 2) \times \underline{\quad}$

4  $8 \times (4 \times 2) = (\underline{\quad} \times 4) \times 2$

5  $12 \times (10 \times 2) = (12 \times \underline{\quad}) \times 2$

6  $(20 \times 2) \times 24 = \underline{\quad} \times (2 \times 24)$

7  $3 \times (9 \times 3) = (\underline{\quad} \times 9) \times 3$

8  $(3 \times 5) \times 2 = 3 \times (5 \times \underline{\quad})$

Find the product using the associative property of multiplication. One is solved for you.

9  $(6 \times 2) \times 4 = \underline{6 \times (2 \times 4) = 48}$

10  $(8 \times 2) \times 5 = \underline{\hspace{2cm}}$

11  $11 \times (4 \times 6) = \underline{\hspace{2cm}}$

12  $24 \times (4 \times 8) = \underline{\hspace{2cm}}$

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# Associative Property of Multiplication

## Answers

$$A \times (B \times C) = (A \times B) \times C$$

Find the missing number based on the associative property. One is solved for you.

1  $5 \times (3 \times 4) = (5 \times 3) \times \underline{4}$       2  $(3 \times 4) \times 2 = 3 \times (\underline{4} \times 2)$

3  $6 \times (2 \times 1) = (6 \times 2) \times \underline{1}$       4  $8 \times (4 \times 2) = (\underline{8} \times 4) \times 2$

5  $12 \times (10 \times 2) = (12 \times \underline{10}) \times 2$       6  $(20 \times 2) \times 24 = \underline{20} \times (2 \times 24)$

7  $3 \times (9 \times 3) = (\underline{3} \times 9) \times 3$       8  $(3 \times 5) \times 2 = 3 \times (5 \times \underline{2})$

Find the product using the associative property of multiplication. One is solved for you.

9  $(6 \times 2) \times 4 = \underline{6 \times (2 \times 4) = 48}$

10  $(8 \times 2) \times 5 = \underline{80}$

11  $11 \times (4 \times 6) = \underline{264}$

12  $24 \times (4 \times 8) = \underline{768}$