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Distributive Property of Multiplication — Let's Practice!



- 1 Use the distributive property to calculate the following products.
- 2 Solve 6×15 .
- 3 Use the distributive property to write equivalent expressions.
- 4 Solve the multiplication problem.
- 5 Solve the multiplication problem.
- 6 Solve 8×21 .
- + with many hints, answer keys, and solution approaches for all tasks



The complete package, including all tasks, hints, solutions, and solution approaches, is available to all subscribers of [sofatutor.com](https://www.sofatutor.com)

Use the distributive property to calculate the following products.

Match each of the following factors with its product.

11×9

A

4×12

B

5×20

C

2×13

D**1**

26

2

100

3

99

4

48

Our hints for the tasks

1
from 6

Use the distributive property to calculate the following products.

1. Hint

Break down the larger number into two smaller numbers to write an equivalent expression.

For example: 11×9 is equivalent to $(10 + 1) \times 9$

2. Hint

Distribute the number on the outside of the parentheses.

For example: $(10 + 1) \times 9 = 10 \times 9 + 1 \times 9$

3. Hint

Add the two products.

For example: $10 \times 9 + 1 \times 9 = 90 + 9$

Solutions and solution approaches for the tasks

1
from 6

Use the distributive property to calculate the following products.

Answer key: A—3 // B—4 // C—2 // D—1

Break down the larger number into two smaller numbers to write an equivalent expression:

$$11 \times 9 \text{ is equivalent to } (10 + 1) \times 9$$

Then, distribute the number on the outside of the parentheses:

$$(10 + 1) \times 9 = 10 \times 9 + 1 \times 9$$

Finally, add the two products:

$$90 + 9 = \mathbf{99}$$

$$4 \times 12 = 4 \times (10 + 2) = 4 \times 10 + 4 \times 2 = 40 + 8 = \mathbf{48}$$

$$5 \times 20 = 5 \times (10 + 10) = 5 \times 10 + 5 \times 10 = 50 + 50 = \mathbf{100}$$

$$2 \times 13 = 2 \times (10 + 3) = 2 \times 10 + 2 \times 3 = 20 + 6 = \mathbf{26}$$