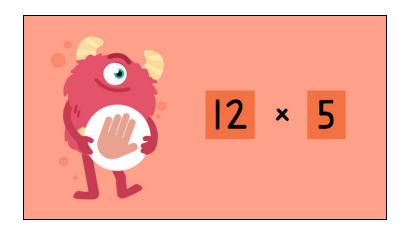
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# Distributive Property of Multiplication — Let's Practice!



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.
4	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



### Use the distributive property to calculate the following products.

Match each of the following factors with its product.



#### Our hints for the tasks



## 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:  $11 \times 9$  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



### 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 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 = 99

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

$$5\times20 = 5\times(10 + 10) = 5\times10 + 5\times10 = 50 + 50 = 100$$

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