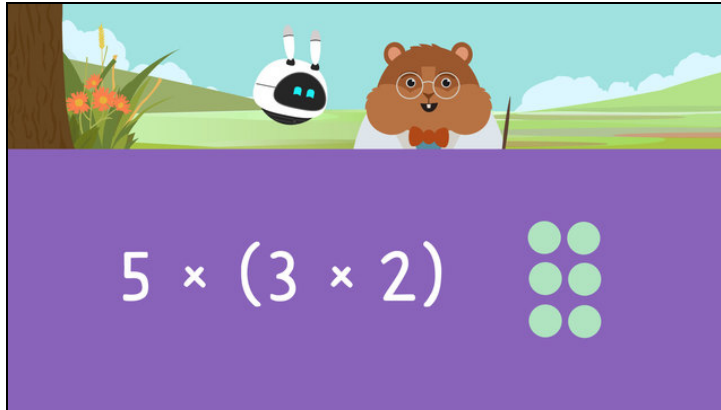


Worksheets to print out from [sofatutor.com](https://www.sofatutor.com)

The Associative Property of Multiplication



- 1 What does the associative property of multiplication tell us?
- 2 Can you help Mr. Squeaks and Imani?
- 3 Which equations have the same product?
- 4 Which equations show the associative property of multiplication calculated correctly?
- 5 Solve the equations using the associative property of multiplication.
- 6 Figure out the missing numbers.
- + 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)

What does the associative property of multiplication tell us?

Select the correct answer choice.

When multiplying the same 3 numbers, parentheses...

- need to go around the first pair of factors. **A**
- need to go around the second pair of factors. **B**
- can go around any factor pair. **C**
- need to go around all 3 numbers. **D**

Our hints for the tasks

1
from 6

What does the associative property of multiplication tell us?

1. Hint

Try solving $(3 \times 4) \times 2$ and $3 \times (4 \times 2)$.

Did you get the same answer or a different answer? What does that tell you?

Solutions and solution approaches for the tasks

1
from 6

What does the associative property of multiplication tell us?

Answer key: C

$$\begin{array}{l} (3 \times 4) \times 2 \\ 12 \times 2 = 24 \end{array} = \begin{array}{l} 3 \times (4 \times 2) \\ 3 \times 8 = 24 \end{array}$$

It doesn't matter where we put the parentheses, as the product will be the same.

For example: $(3 \times 4) \times 2 = 24$ and $3 \times (4 \times 2) = 24$. The parentheses moved, but the product remained the same.