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Concept Check

. Which shows an expression equal to $8 \times (16 + 7)$?

A $(8 \times 16) + (8 \times 7)$ **C** 8×24

B $8 \times 16 + 7$ **D** $8 \times 7 + 16$

The _____ property says that, changing the GROUPING of numbers that are either being added or multiplied does NOT change the value of it.

$(4 \times 7) \times 6 = 4 \times (7 \times 6)$ This is an example of _____ property.

$9 + 12 = 12 + 9$ This is an example of _____ property.

The _____ property means the numbers can be swapped.

The rule that refers to grouping is _____ property.

$2 \times (45 + 9) = 2 \times 45 + 2 \times 9$ This is an example of _____ property.

$(6 \times 4) \times 3 = 6 \times (4 \times 3)$ This is an example of _____ property.

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The _____ property multiplies the value outside the brackets with each of the terms in the brackets.

3 x (4 + 5) = 3 x 4 + 3 x 5 This is an example of _____ property.

In the _____ property, the parenthesis (or brackets) can be moved.

Which of the following example shows the distributive property of mutliplication over subtraction of integers?

Options:

A $3 \times (8 - 5) = (3 \times 8) - (3 \times 5)$

B $4 \times (7 + 3) = (4 \times 7) + (4 \times 3)$

C $9 - (8 - 2) = (9 - 2) - 8$

D $(11 - 4) - 7 = 11 - (4 - 7)$

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