Name: _____

Associative Property of Multiplication

The **Associative Property of Multiplication** states that the product of a set of numbers is the same, no matter how they are grouped.

example: (2 x 3) x 4 = 2 x (3 x 4)
             6 x 4 = 2 x 12
                24   =   24

Find the products for each. First solve the part in parenthesis and write a new multiplication fact on the first line. Then write the product on the bottom line.

a.   (4 x 2) x 6   =   4 x (2 x 6)

_____ = _____

_____ = _____

b.   (2 x 5) x 3   =   2 x (5 x 3)

_____ = _____

_____ = _____

c.   (4 x 5) x 2   = 4 x (5 x 2)

_____ = _____

d.   (4 x 7) x 1   = 4 x (7 x 1)

_____ = _____

e

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_____ = _____

_____ = _____

g.   (3 x 2) x 2   = 3 x (2 x 2)

_____ = _____

_____ = _____

★   (2 x 2) x (4 x 1)   =   2 x (2 x 4) x 1

_____ = _____

_____ = _____

ANSWER KEY

Associative Property of Multiplication

The **Associative Property of Multiplication** states that the product of a set of numbers is the same, no matter how they are grouped.

example:

$$(2 \times 3) \times 4 = 2 \times (3 \times 4)$$
$$6 \times 4 = 2 \times 12$$
$$24 = 24$$

Find the products for each. First solve the part in parenthesis and write a new multiplication fact on the first line. Then write the product on the bottom line.

a. $(4 \times 2) \times 6 = 4 \times (2 \times 6)$

b. $(2 \times 5) \times 3 = 2 \times (5 \times 3)$

~PREVIEW~

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