

MULTIPLICATION ASSOCIATIVE PROPERTY

When multiplying, changing the grouping of three or more factors does not change the product.

EXAMPLE

Group $3 \times 5 \times 10$ in different ways. Solve

$$= 3 \times (5 \times 10) = (3 \times 5) \times 10$$

$$3 \times 50$$

$$150$$

$$150$$



We can use place value to solve multiples of 10 problems:

- 1 Write the multiples of 10 in place value form.
- Find the product.

EXAMPLE

Find the product of 2 x 30.

STEP 1

2 x 30 = 2 x <u>3</u> tens

2 x

STEP 2

 $2 \times 3 \text{ tens} = 6 \text{ tens} = 60$

2 x | | | | | | =



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- Find the product.

EXAMPLE

Find the product of _____.

STEP 1

STEP 2