

## Multiplying negative numbers

Recall, from signed numbers:

a.) a positive number times a positive number equals a positive number.

$$2 \times 5 = 10$$

note: a number without a sign (+,-) is considered to be positive.

b.) a positive number times a negative number equals a negative number.

$$-2 \times 5 = -10 \quad , \quad 2(-5) = -10$$

c.) a negative number times a negative number equals a positive number.

$$-2 \times -5 = 10 \quad , \quad -2(-5) = 10$$

exercises:

1.)  $3 \cdot 7 = ?$

2.)  $5 \cdot 6 = ?$

3.)  $-9 \cdot 3 = ?$

4.)  $6(-4) = ?$

5.)  $-5 \cdot 12 = ?$

6.)  $-t \cdot 4 = ?$

7.)  $-15 \cdot -5 = ?$

8.)  $-x \cdot -2 = ?$

9.)  $2 \cdot y = ?$

10.)  $-9 \cdot w = ?$