

# MULTIPLYING OR DIVIDING BY AN INTEGER

The product or quotient of two numbers of the same sign (i.e. positive or negative) is a positive number.

example 1:  $3 \times 4 = 12$

example 2:  $(-3) \times (-4) = 12$

example 3:  $10 \div 2 = 5$

example 4:  $(-10) \div (-2) = 5$

## MULTIPLYING OR DIVIDING BY AN INTEGER

The product or quotient of two numbers of opposite sign (i.e. one positive and one negative) is a negative number.

example 1:  $3 \times (-4) = (-12)$

example 2:  $(-3) \times 4 = (-12)$

example 3:  $10 \div (-2) = (-5)$

example 4:  $(-10) \div 2 = (-5)$