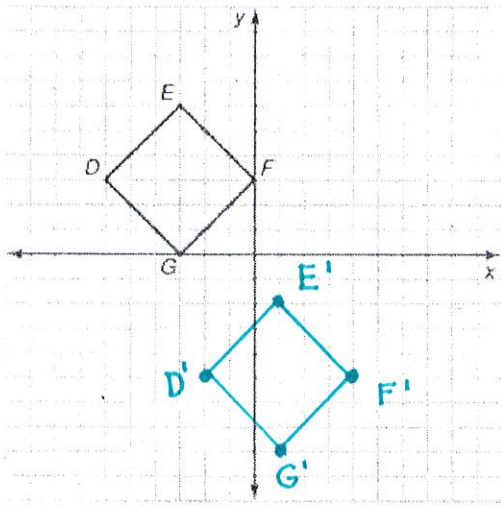Translations of shapes on a coordinate grid

Big Ideas:

*A TRANSLATION is a transformation that slides each point of a figure the same distance and direction.
*A left or right translation is known as a Horizontal translation.
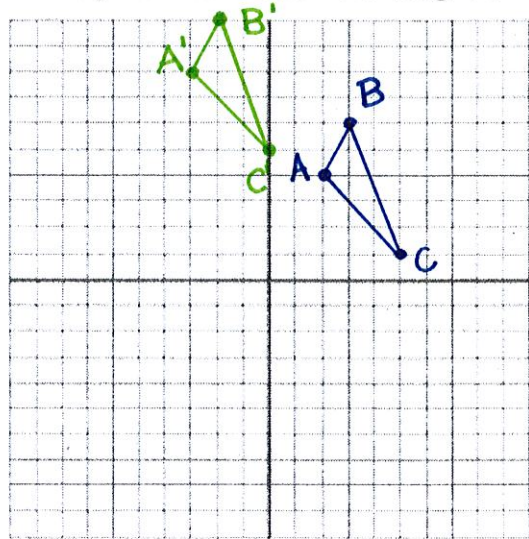*An up or down translation is known as a Vertical translation.

Examples:

1. Translate quadrilateral DEFG $(x, y) \gg (x + 4, y - 8)$

2. Triangle ABC with coordinates A(2, 4), B(3, 6) and C(5,1) is translated 4 units vertically and -5 units horizontally. Find the coordinates of triangle A'B'C'.

D'(-2,-5)
E' (1,-2)
F' (4,-5)
G' (1,-8)

A'(-3, 8)
B'(-2, 10)
C'(0, 5)