Literacy

Explain what the word **translate** does on a shape

Research

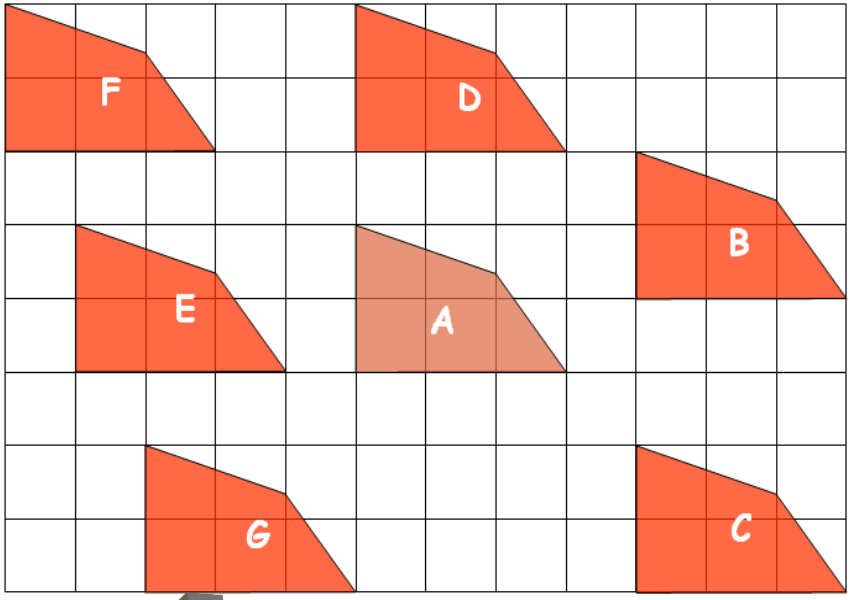
Find out about the other 3 **transformations**

Memory

$\begin{pmatrix} 4 \\ -9 \end{pmatrix}$ Means 4 right, Then 9 down

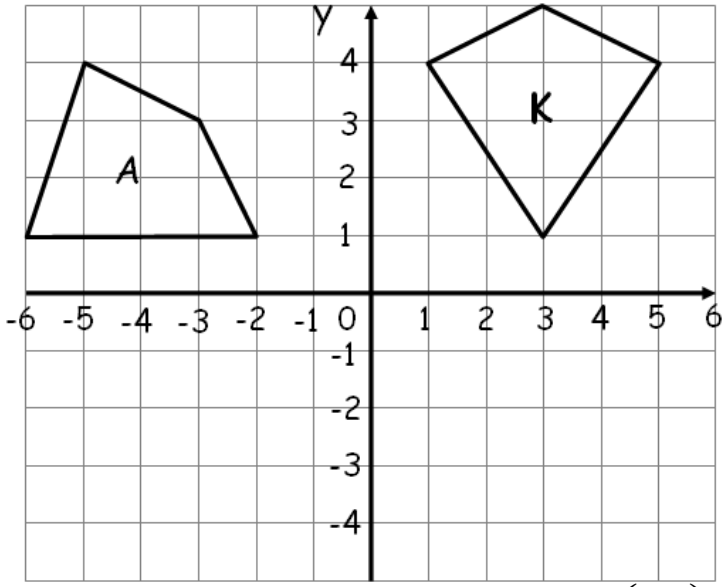
GETTING IT

Shape "A" is translated to the six positions as shown on the grid below. Write down the vector of translation in each case.



Translation Vector

Translate shape A by the vector $\begin{pmatrix} 6 \\ -5 \end{pmatrix}$ and label A'.



GOT IT

Translate shape K' by the vector $\begin{pmatrix} -5 \\ -6 \end{pmatrix}$ and label K'.

$\begin{pmatrix} -3 \\ 6 \end{pmatrix}$ What translation vector is needed to go back to the original shape after doing this?

NAILED IT