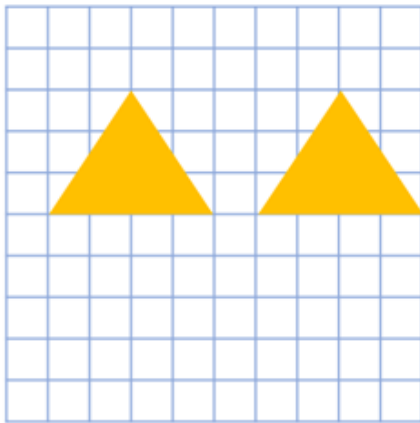


L.O: I am learning to translate shapes on a grid.

Today you will learn to translate shapes on a grid. We will focus on one vertex at a time when translating the shape. You will learn that the shape doesn't change when translated.

Answer the questions on the separate worksheet that comes with this assignment. Answers are provided for you to self-mark your work before you submit it to the teacher for checking.

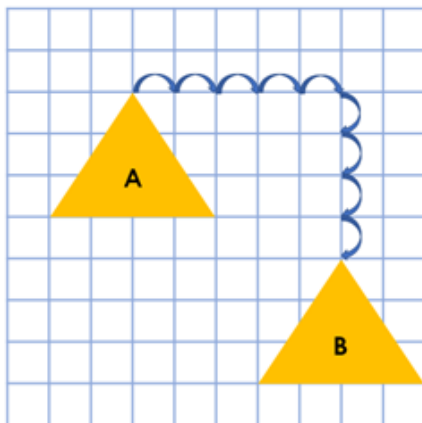
What is translation?



When we translate a shape, we move it into a different position.

We do not change the shape in any other way.

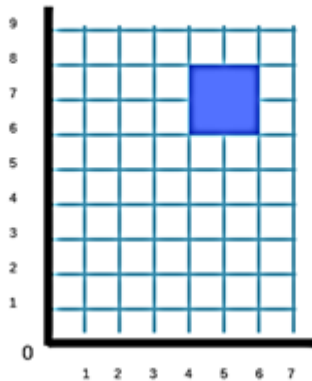
Only its position changes.



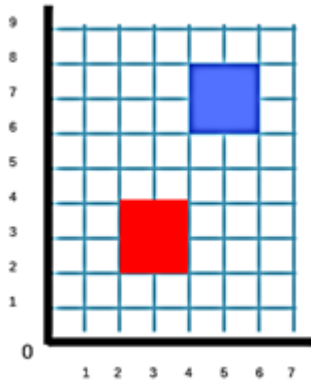
Shape A has been translated 5 squares to the right and 4 squares down. Each vertex of the triangle has been moved 5 squares right and 4 squares down so that the shapes remain the same size, with the same dimensions and the same orientation (it doesn't turn around). Only its position has changed.

Example

Move the shape two left and four down.



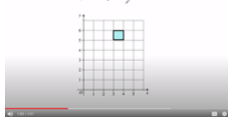
The red square shows where the translated shape has moved to.



It has moved 2 squares left and 4 squares down. Each vertex should be moved independently and the points joined up to ensure the shape has been translated correctly.

Use the link below to watch a video on how to translate shapes on a grid.

Corbettsworlds Translations



https://www.youtube.com/watch?v=8Dtz5fBe7_Q

If you need more practise, check out this online lesson about translating shapes before you start any tasks. <https://www.thenational.academy/year-5/maths/describing-translations-year-5-wk1-2>

Now move on to the worksheet for today's tasks and choose your challenge!