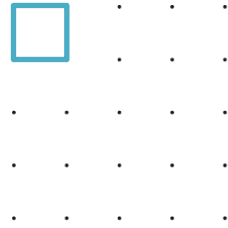


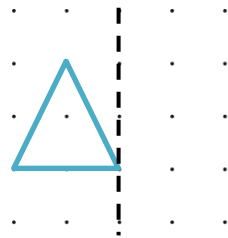
## Position and Direction

Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

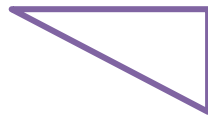
- A square is translated two dots to the right and three down. Draw the new square.



- Draw the reflection of the triangle.

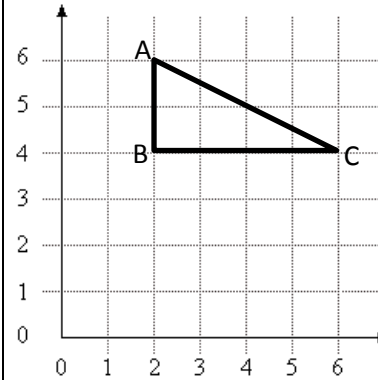


- A triangle is translated 360°.



Draw the new triangle.

- Amy draws triangle ABC on the grid.



She wants to translate the triangle so that point B becomes the co-ordinate (3,1).

Hazel says,

Point A will become (1,1)

Do you agree? Explain why.

- True or false?** Reflecting a shape changes the dimensions.

- A rectangle is translated 3 squares up and two squares to the left. Three of the coordinates of the translated rectangle are: (5, 7) (10, 14) (10, 7). What are the co-ordinates of the original rectangle?

- A triangle is drawn on a grid. It is translated so that point A becomes point B. Draw the new triangle.

