



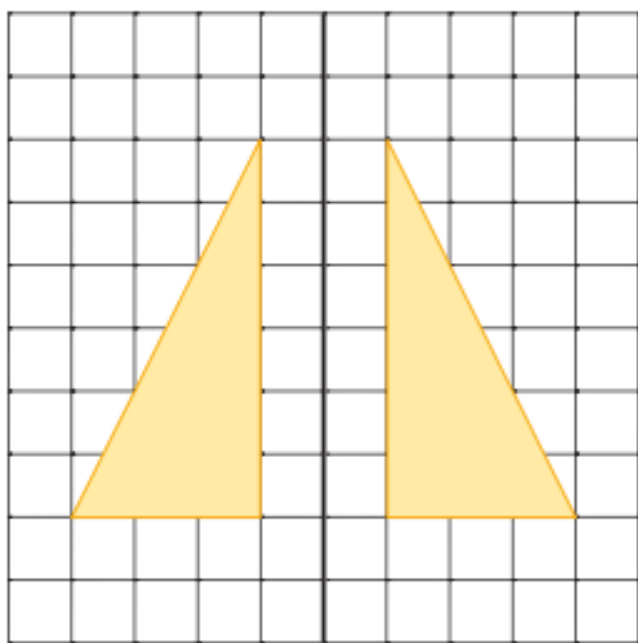
YEAR 5: Maths Position and Direction

Position and Direction

Reflection

A shape is reflected when it is flipped over a mirror line.

The reflected image is congruent to the original. This means that the measurements of the sides and angles have not changed. Each point of the reflected shape is the same distance from the mirror line as the original shape.

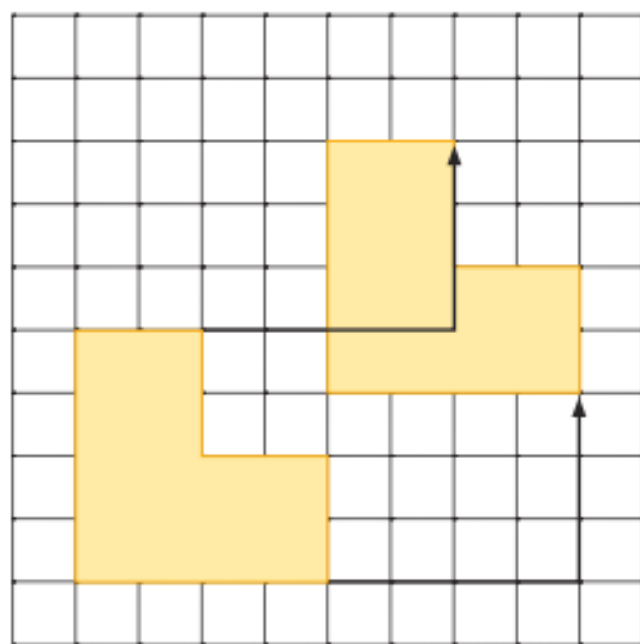


Knowledge Organiser

Translation

In maths, translation means moving an object on a grid. The object is moved without changing the size, turning or reflecting it.

When translating an object on a grid, it can move up or down, left or right.





YEAR 5: Maths Position and Direction

Position and Direction		Knowledge Organiser	
Key Vocabulary			
coordinate		Coordinates are a useful way to locate a position on a map or grid.	
quadrant		The numbers across the horizontal line of the grid are on the x-axis .	
x-axis		The numbers on the vertical line of the grid are on the y-axis .	
y-axis		We always read or write the number on the x-axis before the y-axis.	
reflection		The x and y position are written in brackets with a comma.	
mirror line		The coordinate of the orange spot is (3, 4) .	
translation			
horizontal	To help you remember which point to read or write first, simply remember to move 'along the corridor and up the stairs'. In other words, move on the x-axis and then move on the y-axis.		
vertical			
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