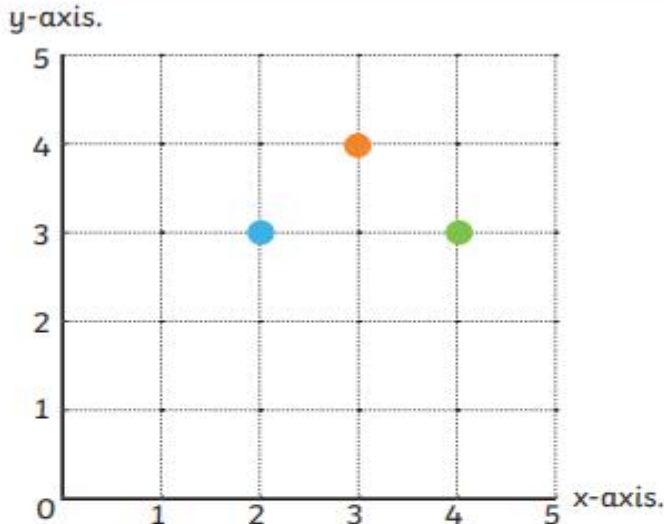



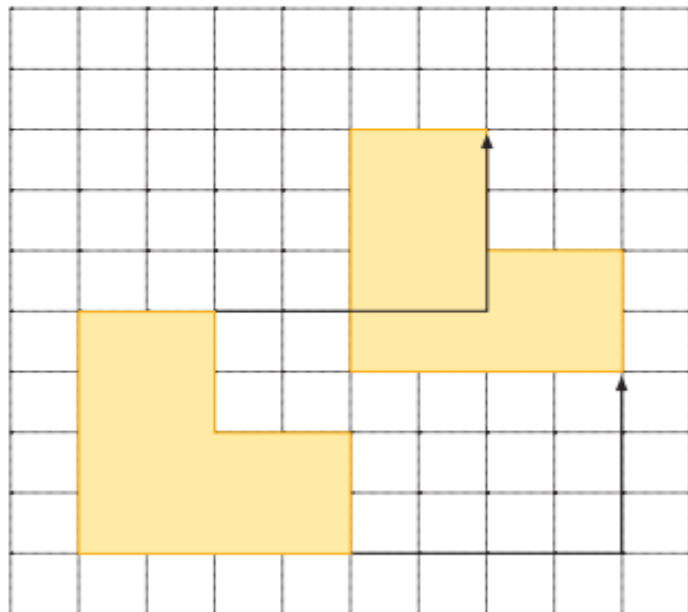
Position and Direction		Knowledge Organiser	
Key Vocabulary		Position in the First Quadrant	
coordinate		Coordinates are a useful way to locate a position on a map or grid.	
quadrant		The numbers across the horizontal line of the grid are on the x-axis .	
x-axis		The numbers on the vertical line of the grid are on the y-axis .	
y-axis		We always read or write the number on the x-axis before the y-axis .	
translation		The x and y position are written in brackets with a comma.	
vertex	<p>To help you remember which point to read or write first, simply remember to move 'along the corridor and up the stairs'.</p> <p>In other words, move on the x-axis and then move on the y-axis.</p>		
vertices			
Year 4			

Position and Direction

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 4

Knowledge Organiser

Plotting 2D Shapes

Each vertex (corner) of a 2D polygon can be represented as a coordinate on a 2D grid.

