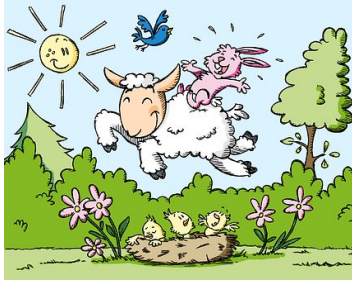


Position

A place where something is.

The lamb is **above** the birds.



The trees are **behind** the bushes.

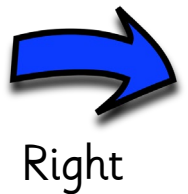
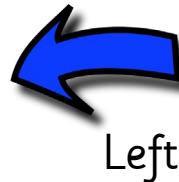
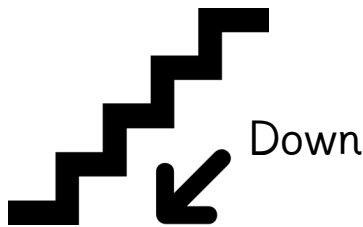
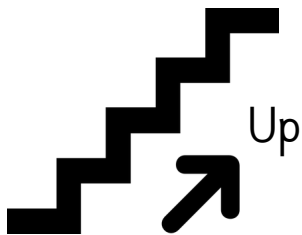
The flowers are **next to** the nest.

The rabbit is **on top of** the lamb.

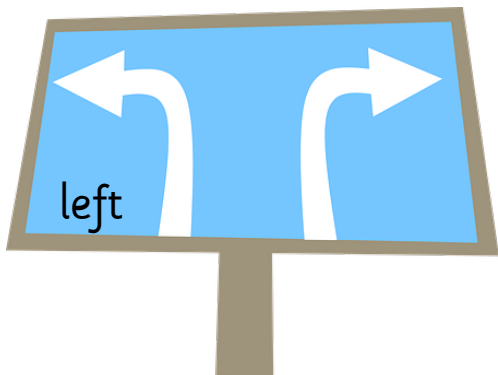
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Direction

The path taken when a person or object moves.

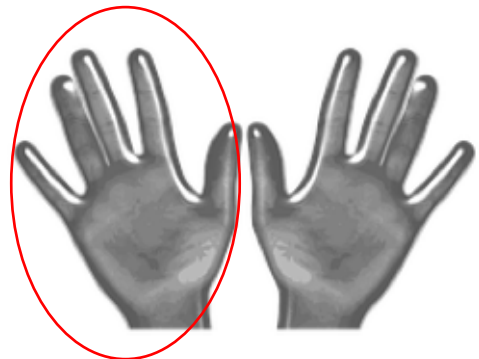


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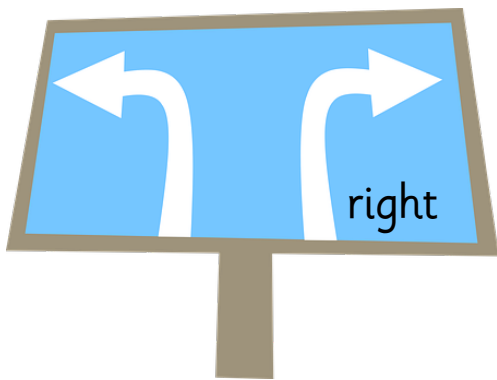


Left

A direction.

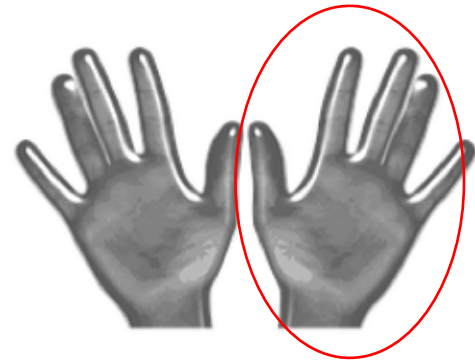


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Right

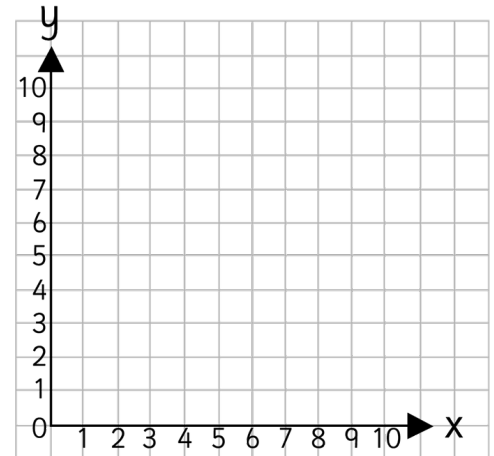
A direction.



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Grid

Equally spaced squares with two perpendicular lines (axes) used to plot points.

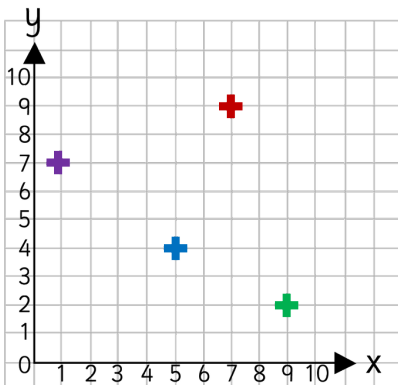


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Co-ordinates

A pair of numbers that shows an exact position on a grid.

The co-ordinates of **+** are $(7, 9)$



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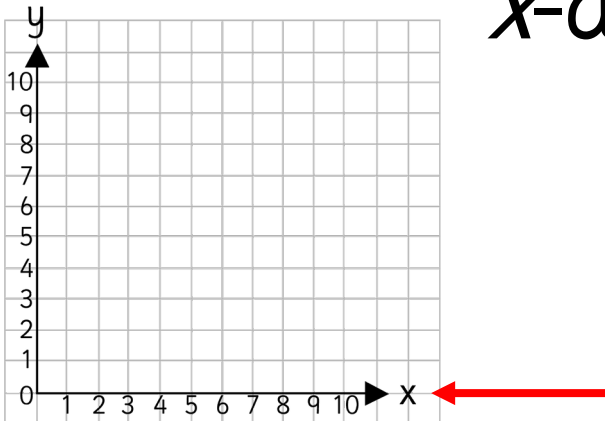
Axes



The horizontal and vertical number lines on a grid used to plot co-ordinates.

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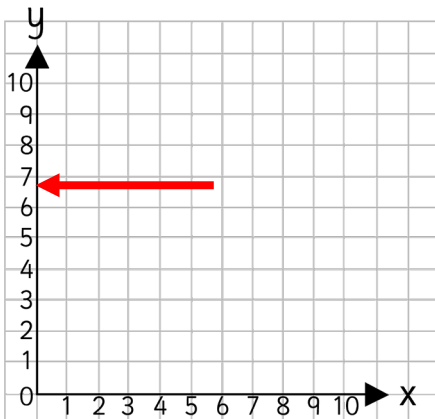
x-axis



The horizontal number line on a grid. The x -axis is always plotted first. e.g.; (3, 5)

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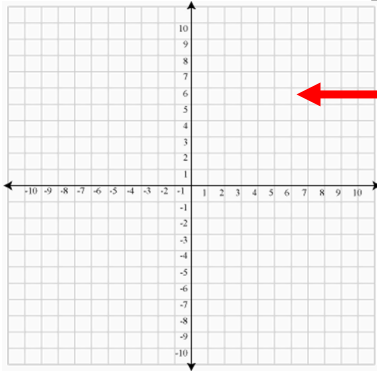
y-axis



The vertical number line on a grid. The y -axis is always plotted second. e.g.; (3, 5)

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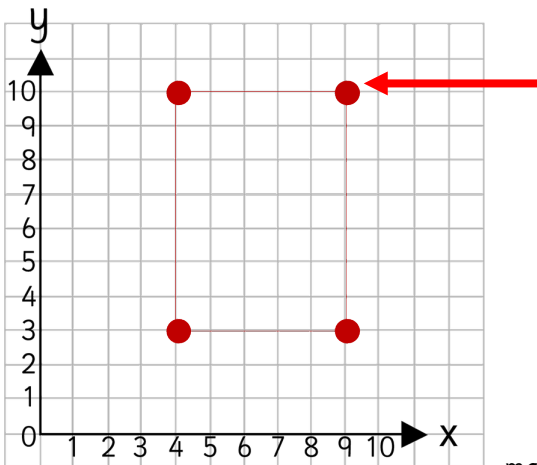
First Quadrant



The upper right section of a grid where both the x and y values are positive.

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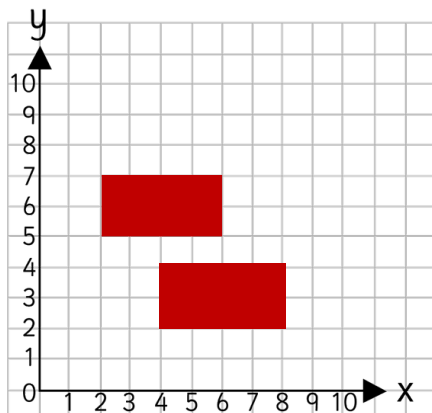
Vertex/Vertices



The co-ordinate (vertex) or co-ordinates (vertices) where two lines or edges meet to create a 2D shape.

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Translation

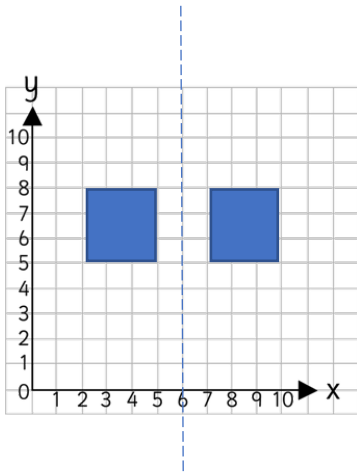


The movement of a shape on a grid without rotating or resizing it.

The rectangle has been translated 2 right, 3 down.

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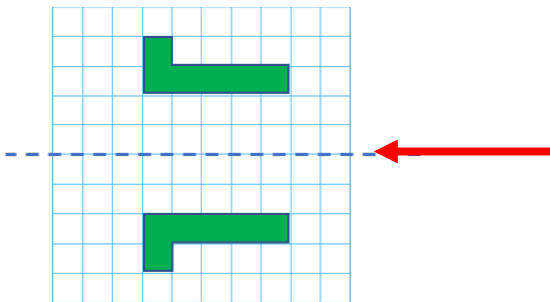
Reflection



To transform a shape across a mirror line – the image does not change size but is flipped symmetrically to face the other way.

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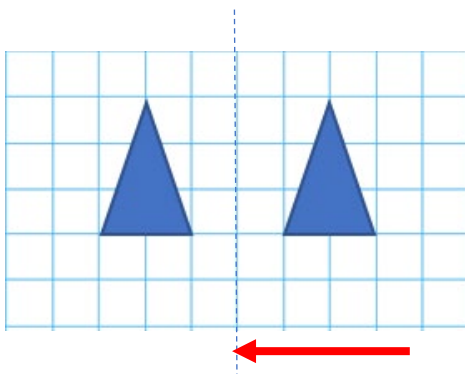
Horizontal Mirror Line



A line of reflection that runs from left to right parallel to the x -axis.

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Vertical Mirror Line

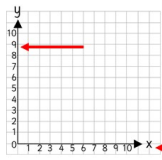


A line of reflection that runs up and down parallel to the y -axis.

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Position & Direction Year 5

Axes



The horizontal and vertical number lines on a grid used to plot co-ordinates.

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Position & Direction Year 5

Right

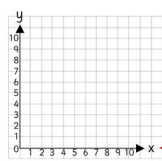


A direction.

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Position & Direction Year 5

x-axis

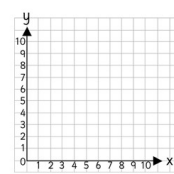


The horizontal number line on a grid. The x -axis is always plotted first. e.g., (3, 5)

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Position & Direction Year 5

Grid

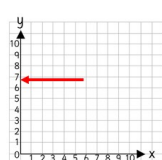


Equally spaced squares with two perpendicular lines (axes) used to plot points.

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Position & Direction Year 5

y-axis

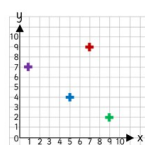


The vertical number line on a grid. The y -axis is always plotted second. e.g., (3, 5)

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Position & Direction Year 5

Co-ordinates



A pair of numbers that shows an exact position on a grid.

The co-ordinates of \times are (7, 9)

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Position & Direction Year 5

Position

A place where something is.

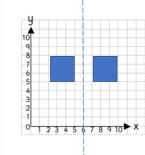


The lamb is **above** the birds.
The flowers are **next to** the nest.
The trees are **behind** the bushes.
The rabbit is **on top of** the lamb.

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Position & Direction Year 5

Reflection



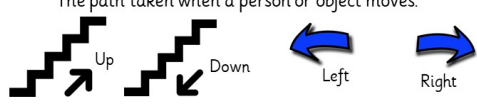
To transform a shape across a mirror line – the image does not change size but is flipped symmetrically to face the other way.

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Position & Direction Year 5

Direction

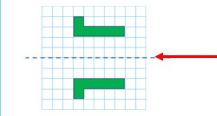
The path taken when a person or object moves.



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Position & Direction Year 5

Horizontal Mirror Line



A line of reflection that runs from left to right parallel to the x -axis.

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Position & Direction Year 5

Left

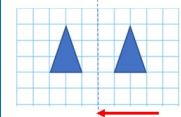


A direction.

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Position & Direction Year 5

Vertical Mirror Line

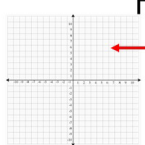


A line of reflection that runs up and down parallel to the y -axis.

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Position & Direction Year 5

First Quadrant

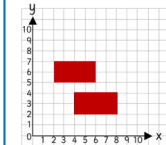


The upper right section of a grid where both the x and y values are positive.

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Position & Direction Year 5

Translation



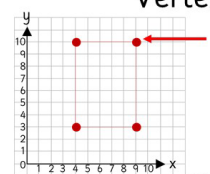
The movement of a shape on a grid without rotating or resizing it.

The rectangle has been translated 2 right, 3 down.

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Position & Direction Year 5

Vertex/Vertices



The co-ordinate (vertex) or co-ordinates (vertices) where two lines or edges meet to create a 2D shape.

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Year 4 – Position and Direction Vocabulary Assessment					
Position		Direction		Right	
Left		Axes		x -axis	
y -axis		Co-ordinates		First Quadrant	
Vertex/vertices		Translate		Translation	
Reflection		Horizontal Mirror Line		Vertical Mirror Line	

Year 4 – Position and Direction Vocabulary Assessment					
Position		Direction		Right	
Left		Axes		x -axis	
y -axis		Co-ordinates		First Quadrant	
Vertex/vertices		Translate		Translation	
Reflection		Horizontal Mirror Line		Vertical Mirror Line	

Year 4 – Position and Direction Vocabulary Assessment					
Position		Direction		Right	
Left		Axes		x -axis	
y -axis		Co-ordinates		First Quadrant	
Vertex/vertices		Translate		Translation	
Reflection		Horizontal Mirror Line		Vertical Mirror Line	

Year 4 – Position and Direction Vocabulary Assessment					
Position		Direction		Right	
Left		Axes		x -axis	
y -axis		Co-ordinates		First Quadrant	
Vertex/vertices		Translate		Translation	
Reflection		Horizontal Mirror Line		Vertical Mirror Line	