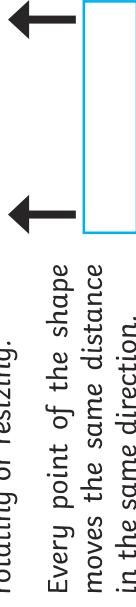


Year 5 Position and Direction

Translate / Translation

A shape is translated when it is moved without rotating or resizing.



Vertex / Vertices

The corner of a shape is called a vertex.

The plural is vertices. A triangle has 3 vertices.

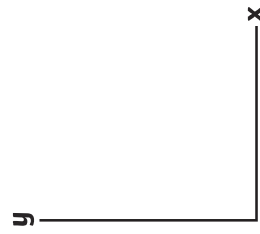


Axis / Axes

A coordinate grid has axes.

The x axis is horizontal.

The y axis is vertical.



Reflect / Reflection

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

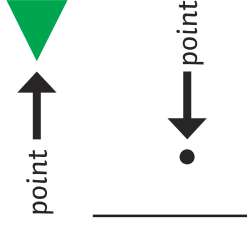


Every point of the shape is the same distance from the mirror line as the same point on the reflected shape.

Point

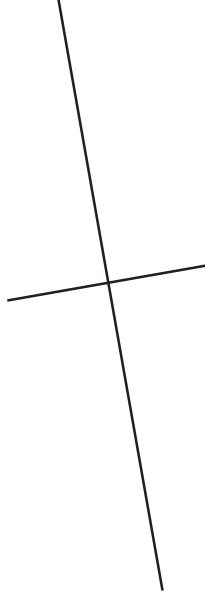
A point is an exact location.

It has no size, only position. They are shown by dots or parts of a line, but they have no size.



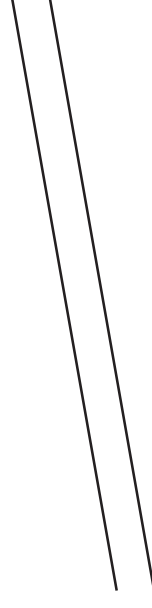
Perpendicular

Perpendicular lines meet at a right angle.



Parallel

Parallel lines are always the same distance apart and never touching.



Coordinates

Coordinates mark the location of a point on a coordinate grid.

The coordinates are written in brackets in the format (x,y) where x is how far along and y is how far up.

