DIRECTION

-The numbers across the horizonta line are on the $x$-axis.
-The numbers up and down the vertical line are on the $y$-axis.
-Coordinates are a good way for us to find the position of something on a
map or a grid.
-We read the number on the $x$-axis before the $y$-axis (remember 'along the corridor and up the stairs').
-Coordinates are written in brackets and are separated by a comma.
-e.g. The coordinates of $A$ are $(2,8)$. The coordinates of $B$ are $(4,7)$.


## Translation

-Translation (in maths) means moving objects on a grid.
-We can produce accurate translations by applying the same movement to all vertices. -For example, in this translation, all vertices have been...
...moved 5 squares right along $x$-axis, and... ...moved 2 squares up the $y$-axis.
This helps to ensure the shape stays the same size and proportion.


## Key Vocabulary

| Coordinate | Grid | Quadrant | $x$-axis | $y$-axis | Translation |
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