

Year 5 – Geometry: Position & Direction

National Curriculum Aims

- identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

Key Vocabulary

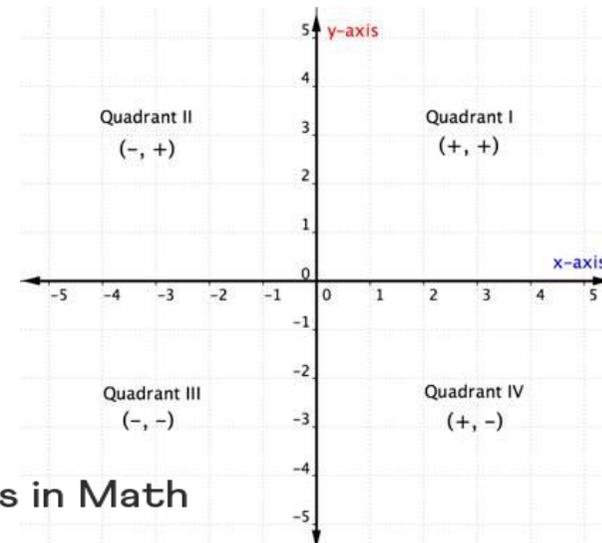
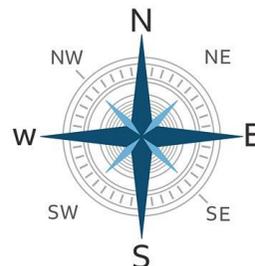
X-axis	The horizontal line of the graph
X- coordinate	The horizontal distance from 0 (can be positive or negative)
y-axis	The vertical line of the graph
Y – coordinate	The vertical distance from 0 (can be positive or negative)
Transform	A way of moving a shape or an object by rotating, translating or reflecting.
Translation	Moving a shape into a different position, it stays the same shape and direction.
Rotation	Turning a shape around a point.
Reflection	A mirror image of a shape.
Line of symmetry	The line that reflects the shape (where the mirror would be)
Quadrant	Sections of a graph. A graph may have 4 quadrants, with positive and negative axis.



Home Learning

- Play a game of Battleships with your friends or family to practice using co-ordinates.
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Core Knowledge and Representations



Transformations in Math



Lines of Symmetry

