## Castlefield School- Maths

| Topic: Angles, 2D shapes, Position and Direction | Year: Four | Theme: Geometry |
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## Key concepts and questions

## What are the properties of shapes?

- Length of sides
- Size of angles
- Lines of symmetry

Regular shapes have equal length sides and equal sized angles.

## How are coordinates read?

Go along the horizontal axis, then up the vertical axis.
In this example, the orange point is at $(3,4)$. Always write coordinates as ( ${ }_{-,}$)


## How can movement on a grid be described?

Moving points or a shape on a grid is called translation. The key words are: up, down, left and right.

## Making connections

## 2d shapes and coordinates

Coordinates can be used to plot 2D shapes on a grid.


Key Vocabulary

| vertical | horizontal | $2 D$ | $3 D$ |
| :--- | :--- | :--- | :--- |
| parallel | perpendicular | angle | Measurement of a turn. <br> Acute, obtuse or a right <br> angle. |
| Symmetrical | When two or <br> more parts are <br> identical when <br> reflected. | quadrilateral | parallelogram |



