## YEAR 9 — REASONING WITH GEOMETRY... Enlargement & Similarity

### What do I need to be able

to do?

### l Keywords

#### By the end of this unit you should be able to:

- Recognise enlargement and similarity
- Enlarge a shape by a positive SF
- Enlarge a shape from a point
- Enlarge a shape by a fractional SF
- Work out missing sides and angles in a pair of similar shapes.

Similar Shapes: shapes of different sizes that have corresponding sides in equal proportion and identical corresponding angles.

Scale Factor: the multiple describing how much a shape has been enlarged

Enlarge: to change the size of a shape (enlargement is not always making a shape bigger) Corresponding: objects (or sides) that appear in the same place in two similar situations. Image: the picture or visual representation of the shape





# YEAR 9 — REASONING WITH GEOMETRY.



# YEAR 9 — REPRESENTATIONS..



### YFAR 9 — REPRESENTATIONS **Algebraic** Representation @whisto maths



include these points