

Year 8 Knowledge Organiser -

Iransformations

Key Vocabulary

Congruent - two figures or objects are congruent if they have the same shape and size, or if one has the same shape and size as the mirror image of the other

Rotation – the motion of a shape around a fixed point

Reflection – an image of a shape as it would be seen in a mirror

Translation – transformation that moves every point of a figure or a space by the same distance in a given direction

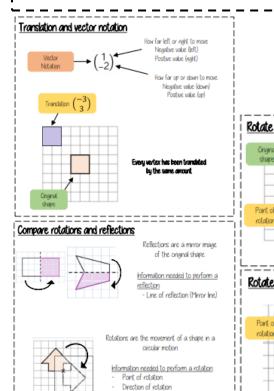
Vector - describes movement from one point to another. They have both direction and magnitude (size)

Enlargement - to enlarge a shape, a centre of enlargement is required. When a shape is enlarged from a centre of enlargement, the distances from the centre to each point are multiplied by the scale factor

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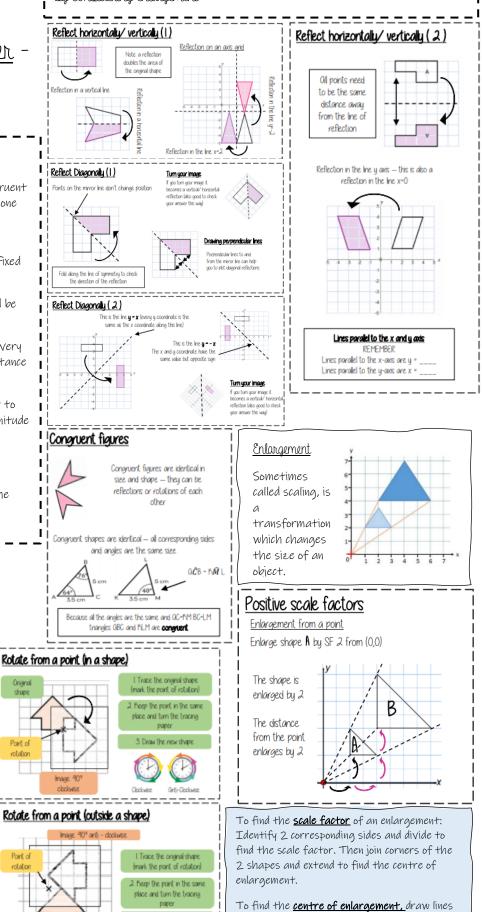
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through the corresponding corners of each shape. These lines will cross at the centre of enlargement.

3. Draw the new shape