

SCALE FACTORS

ENLARGEMENT & REDUCTION

Shapes can be enlarged or reduced using a scale factor.

A scale factor of 2 would make all lengths twice as long.

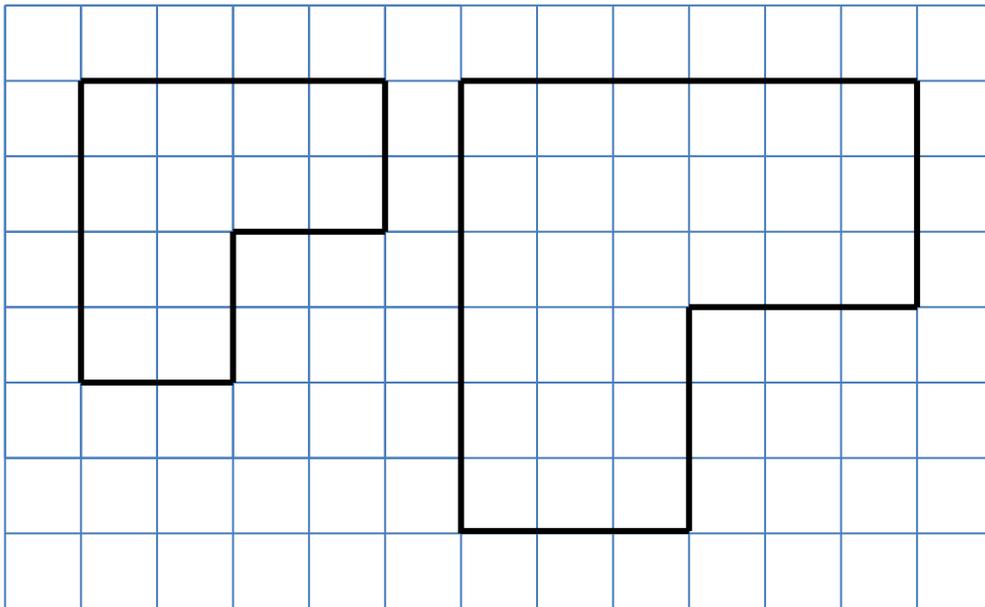
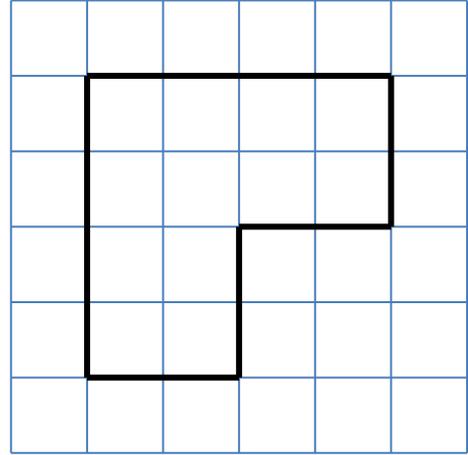
A scale factor > 1 enlarges a shape.

A scale factor < 1 reduces a shape.

Example: Enlarge this shape using a scale factor of 1.5.

All lines in the enlargement are 1.5 times bigger than in the original drawing.

So the 4cm line becomes $4 \times 1.5 = 6\text{cm}$
and the 2cm line becomes $2 \times 1.5 = 3\text{cm}$



Scale Factors Practice

<http://www.bbc.co.uk/education/guides/zpwyxcdm/revision>

Pages 1 and 2 only. Learn about scale factors. Try the test.

www.supermathsworld.com Ask your teacher for login details.

Select Shape from the options.

Select ENLARGEMENT from the menu. Try on Easy level.