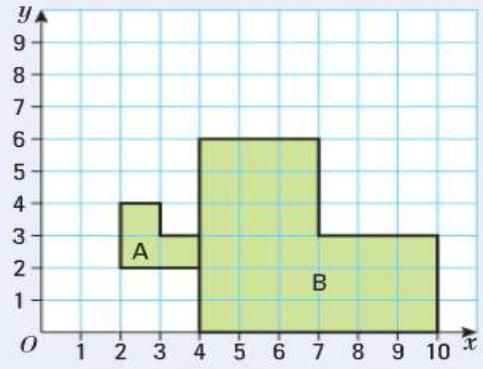
Easier

Write the scale factor of enlargement that maps A onto B

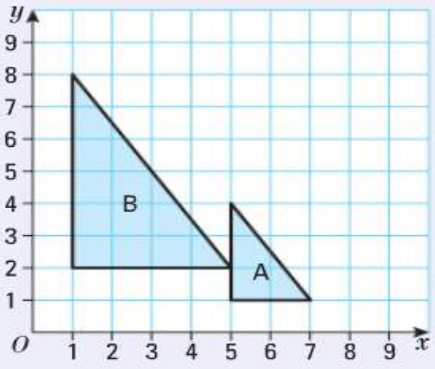
Enlargement

Scale Factors

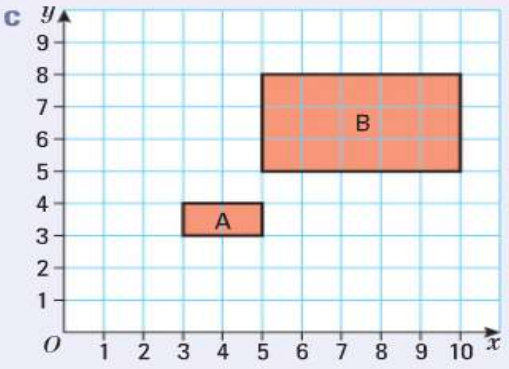
a



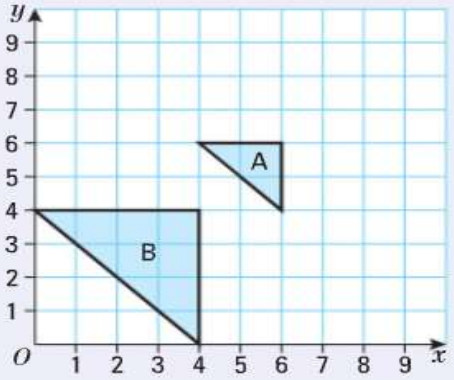
b



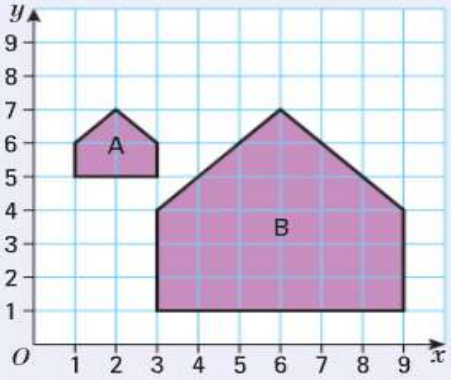
c



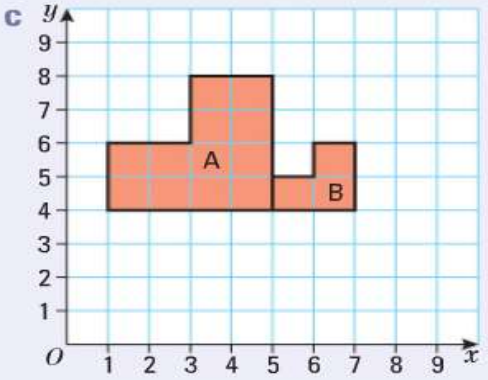
a



b

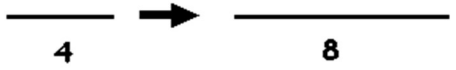


c



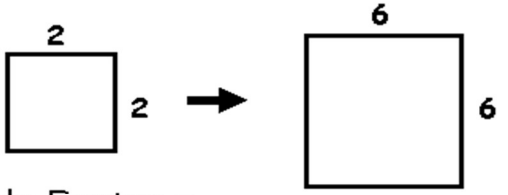
- Work out what the Scale Factor is for each question.

1.)



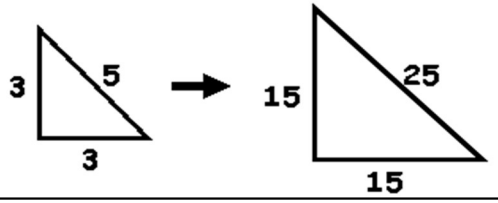
Scale Factor = ...

2.)



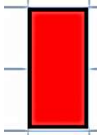
Scale Factor = ...

3.)

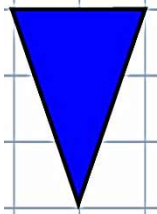


Scale Factor = ...

Enlarge by a scale factor of 3

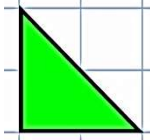


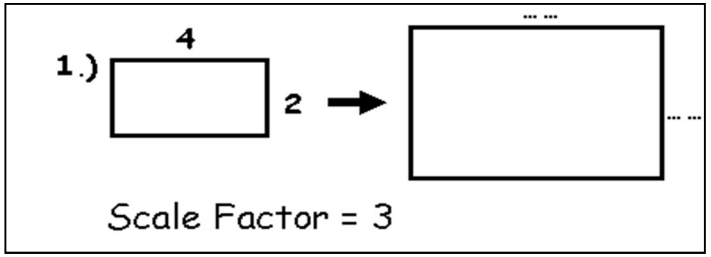
Enlarge by a scale factor of 2

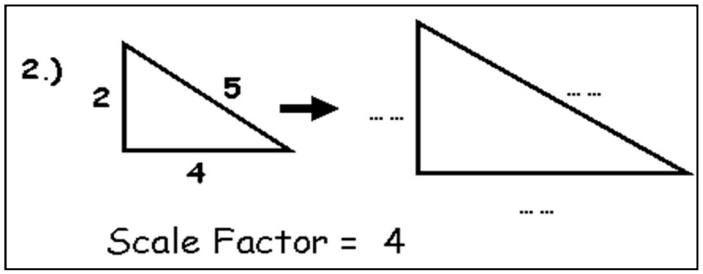


Fill in the measurements for the scale factor given.

Enlarge by a scale factor of 4



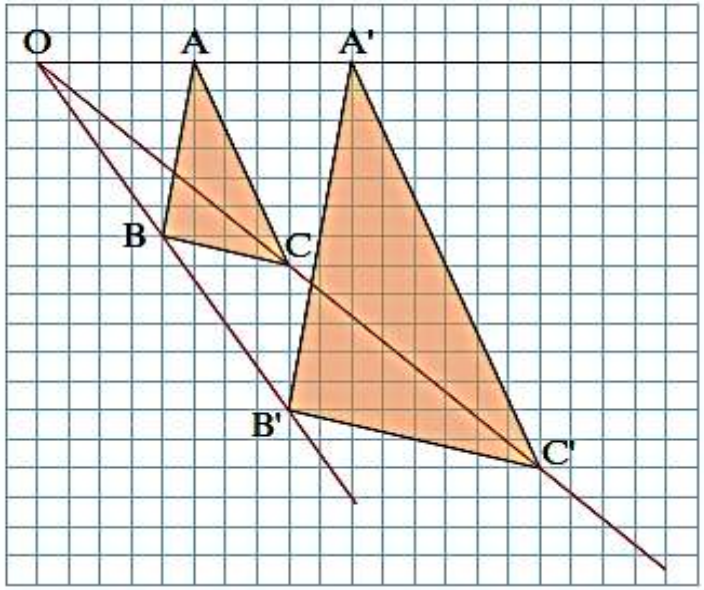




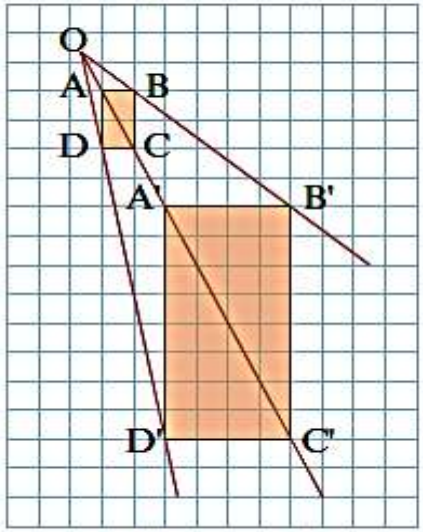
Medium

Calculate each scale factor of enlargement.

a



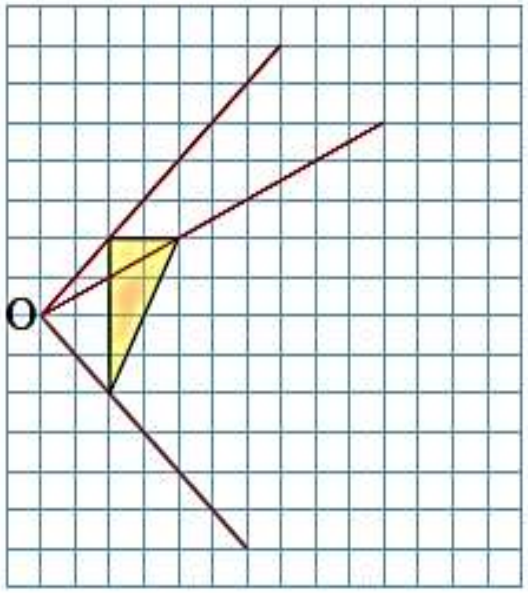
b



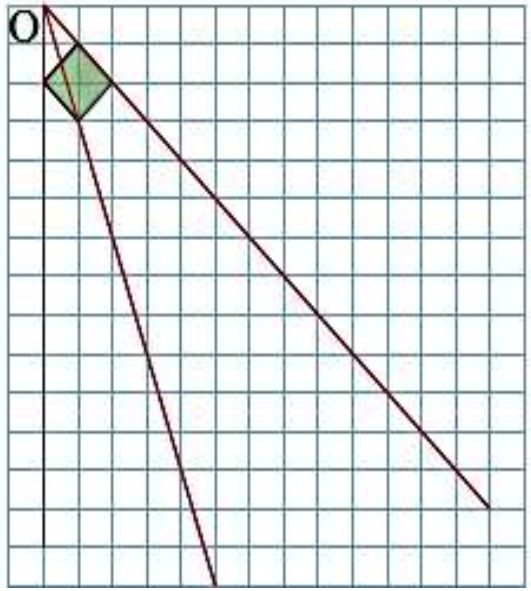
Enlarge from centre o by scale factor given.

Enlargement lines have been drawn for you to help

a Enlargement scale factor 3



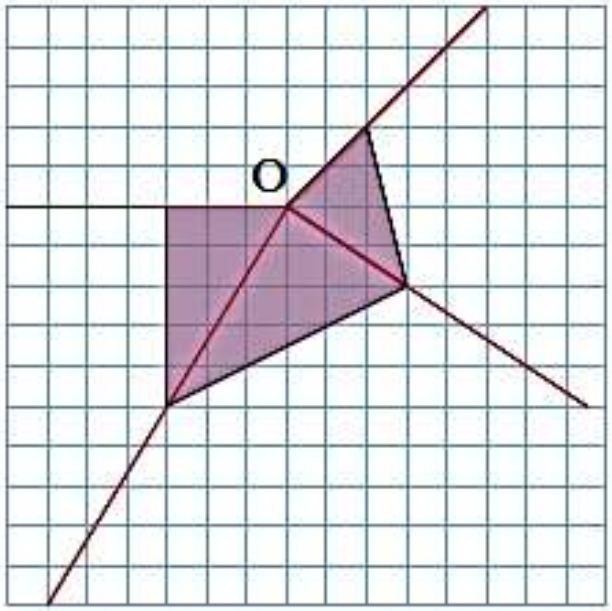
b Enlargement scale factor 5



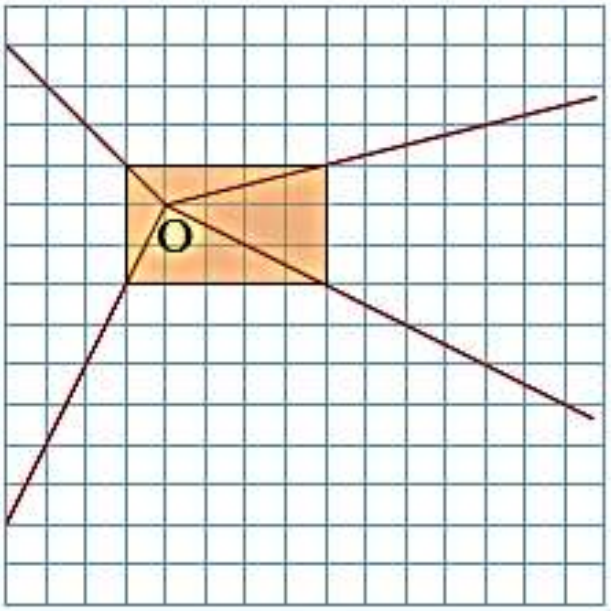
Enlarge from centre o by scale factor given.

Enlargement lines have been drawn for you to help

a Enlargement scale factor 2

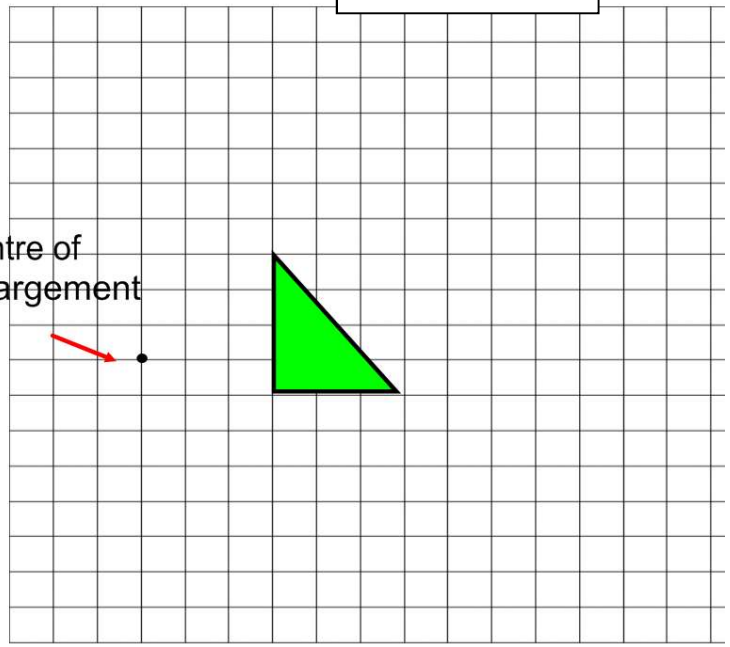


b Enlargement scale factor 2

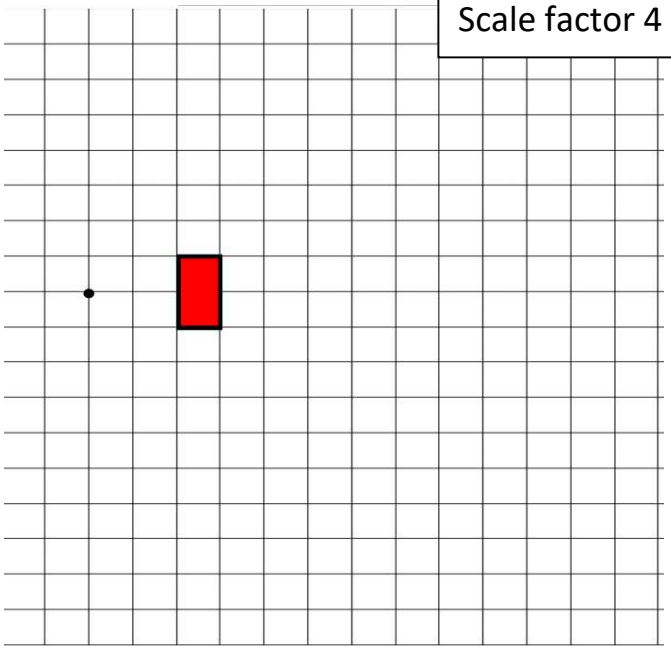


Harder

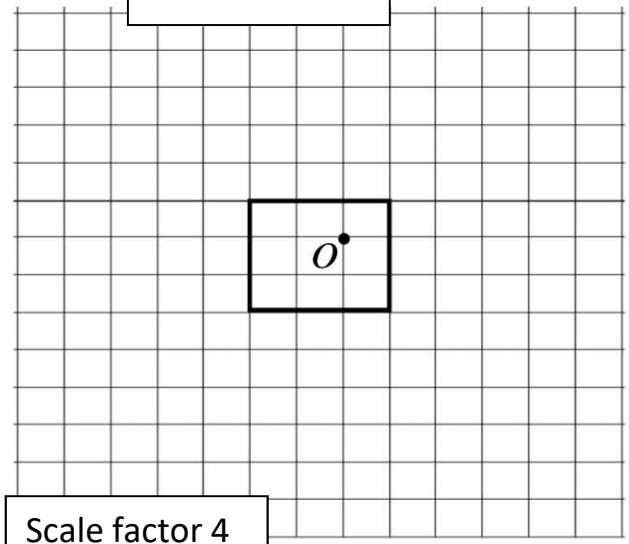
Scale factor 2



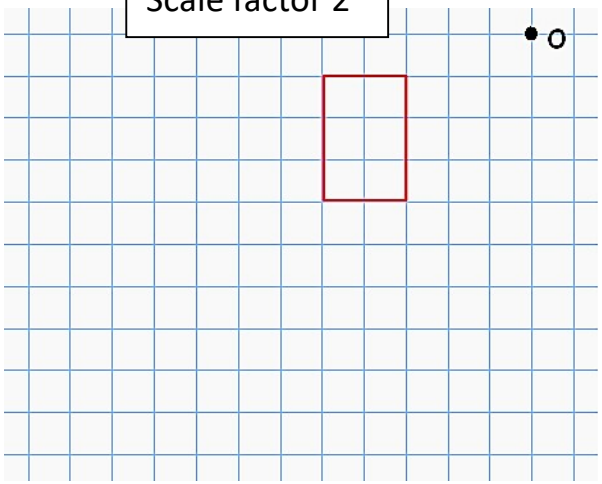
Scale factor 4



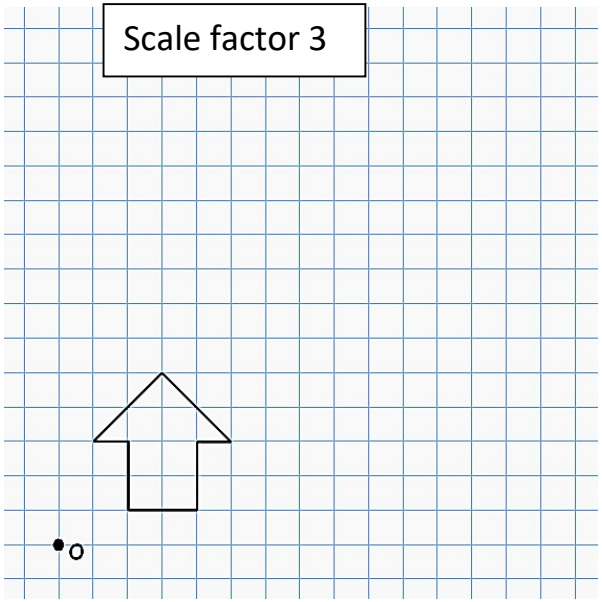
Scale factor 3



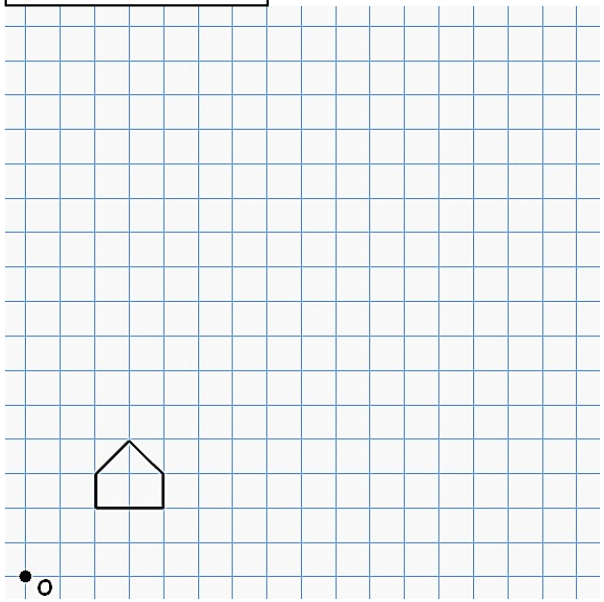
Scale factor 2



Scale factor 3

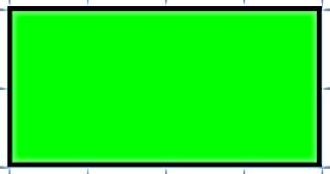


Scale factor 4

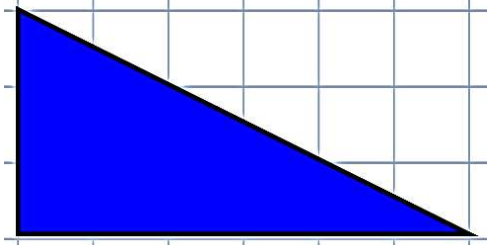


Think Task

Enlarge by a scale factor of $\frac{1}{2}$



Enlarge by a scale factor of $\frac{1}{3}$



2 x ½ = 1

4 x ½ = 2

When we multiply by a fraction things get smaller.

What will happen if we enlarge by a fraction

Enlarge by scale factor ½ from point o