

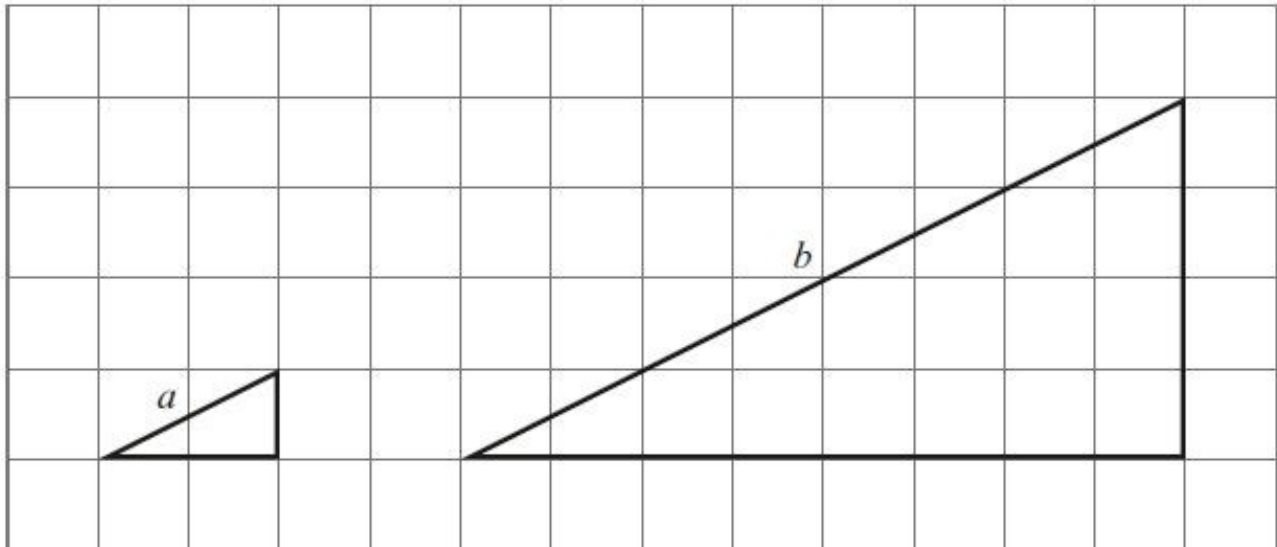
# Past SATs Questions

Solve problems involving similar shapes where the scale factor is known or can be found

2017 Paper 2 Q22

1 mark

Here are two similar right-angled triangles.



Write the ratio of side *a* to side *b*.

$a : b =$

:

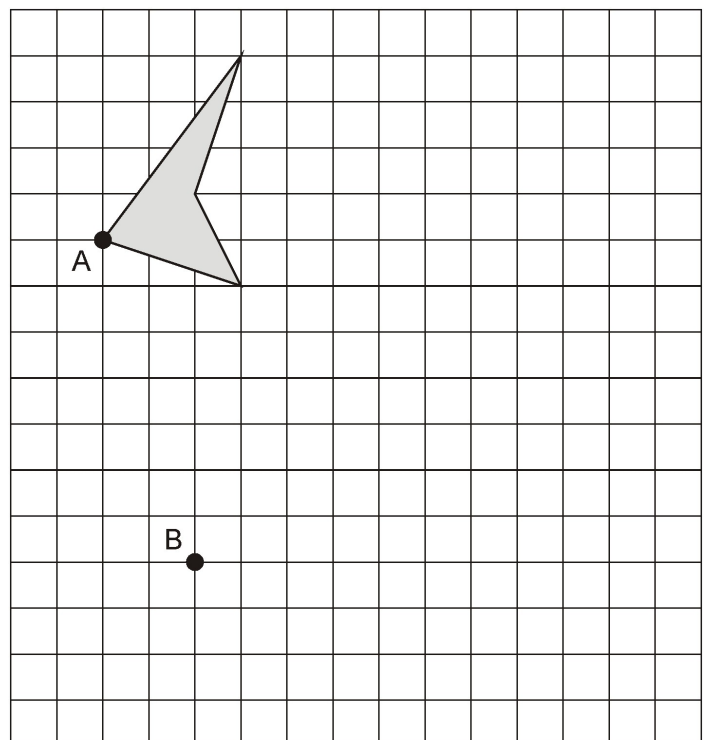
2000 Paper C Q3

2 marks

The shaded shape is translated from **A** to **B** and **enlarged** by a **scale factor of 2**

Draw the **enlarged shape** on the grid.

Use a ruler.



# Past SATs Questions

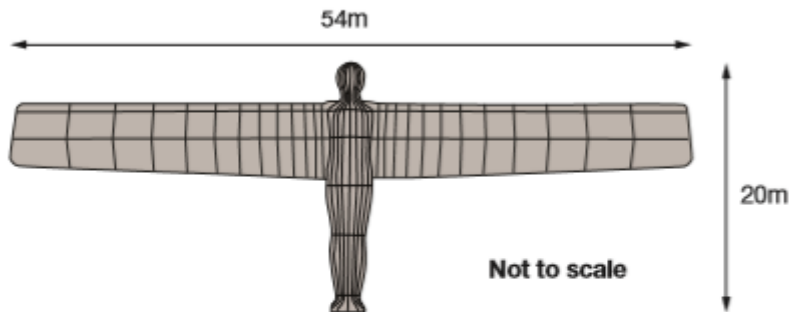
Solve problems involving similar shapes where the scale factor is known or can be found

## 2018 Paper 3 Q9

2 marks

The Angel of the North is a large statue in England.

It is 20 metres tall and 54 metres wide.



Ally makes a scale model of the Angel of the North.

Her model is 40 centimetres tall.

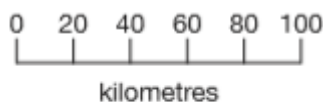
How **wide** is her model?

  
cm

## 2017 Paper 2 Q21

2 marks

On a map, 1 cm represents 20 km.



The distance between two cities is 250 km.

On the map, what is the distance between the two cities?

Show  
your  
method

A grid for showing the method to find the distance between two cities on a map. The grid is 10 units wide and 10 units high. A box labeled "cm" is at the bottom right.