



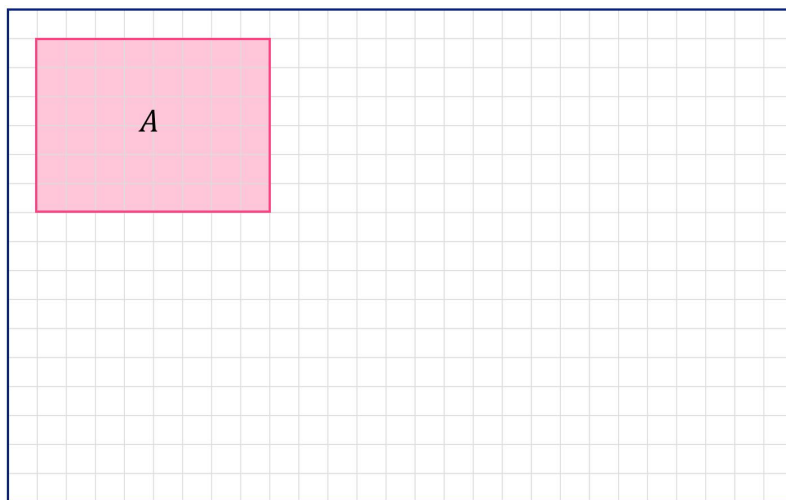
THIRD SPACE  
LEARNING

# GCSE Exam Questions

Scale Factor | Geometry &  
Measure

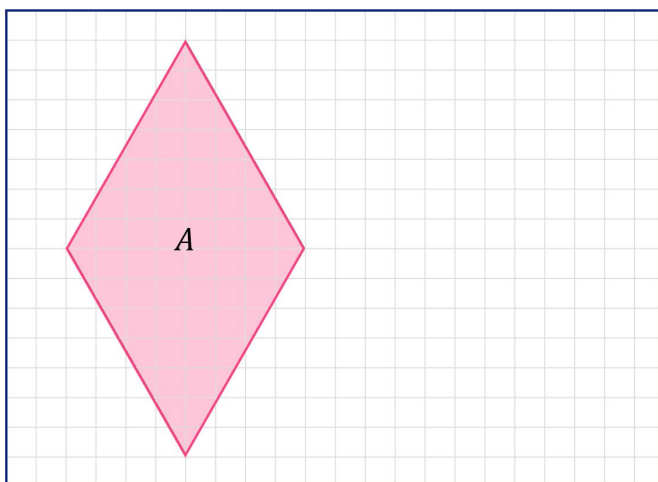
## GCSE Exam Questions: Scale Factor

- 1) On the grid draw an enlargement of the shape *A* with scale factor 2.  
Label the enlarged shape B.



(2)  
(2 marks)

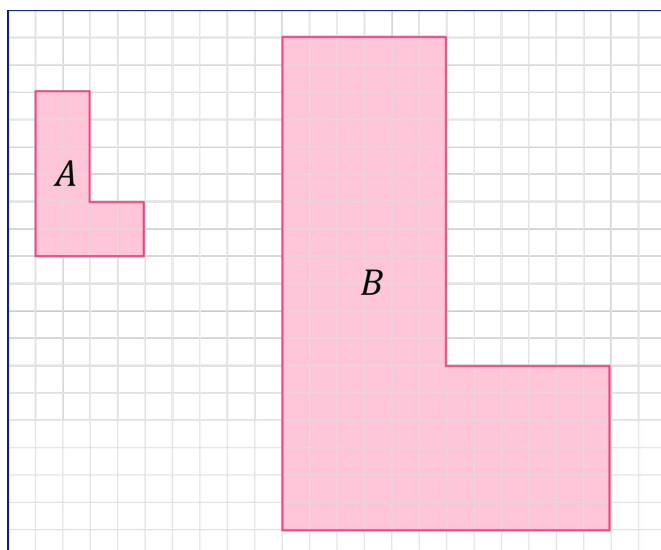
- 2) On the grid draw an enlargement of the shape *A* with scale factor  $\frac{1}{2}$ .  
Label the enlarged shape B.



(2)  
(2 marks)

## GCSE Exam Questions: Scale Factor

- 3) (a) Work out the scale factor of enlargement for  $B$  to  $A$ .



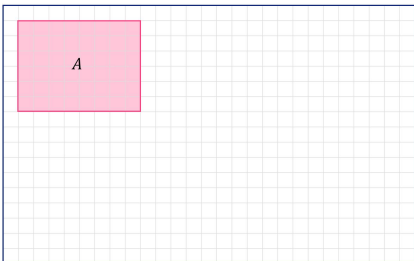
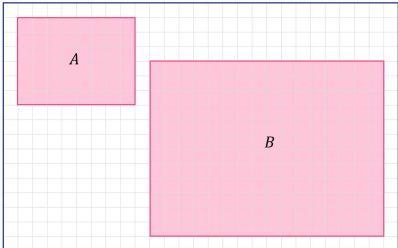
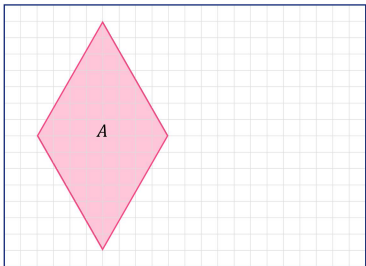
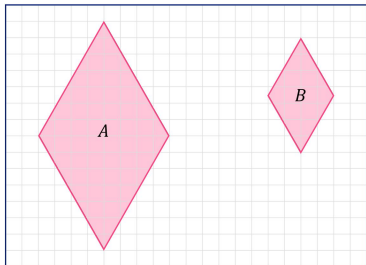
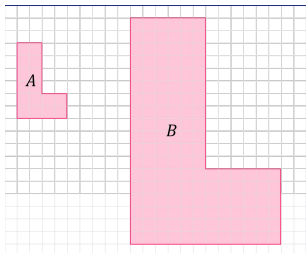
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(1)

- (b) What happens to the area of shape  $A$  when the shape is enlarged to  $B$ ?

-----  
(2)

(3 marks)

# GCSE Exam Questions: Scale Factor Answers

|        | Question                                                                                                                                                                                                                       | Answer                                                                                                                                                        | Marks      |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1)     | <p>On the grid draw an enlargement of the shape <i>A</i> with scale factor 2. Label the enlarged shape <i>B</i>.</p>                          |  <p>Correct length of rectangle<br/>Correct width of rectangle</p>          | (1)<br>(1) |
| 2)     | <p>On the grid draw an enlargement of the shape <i>A</i> with scale factor <math>\frac{1}{2}</math>. Label the enlarged shape <i>B</i>.</p>  |  <p>Correct length of parallelogram<br/>Correct width of parallelogram</p> | (1)<br>(1) |
| 3) (a) | <p>Work out the scale factor of enlargement for <i>B</i> to <i>A</i>.</p>                                                                   | (a) Scale factor of $\frac{1}{3}$                                                                                                                             | (1)        |
| (b)    | <p>What happens to the area of shape <i>A</i> when the shape is enlarged to <i>B</i>?</p>                                                                                                                                      | <p>(b) <math>3^2</math><br/>The area will be 9 times larger</p>                                                                                               | (1)<br>(1) |

# Where to go next?

For more diagnostic questions, and GCSE maths revision resources and worksheets to support students in fixing any misconceptions take a look at the free Third Space Learning [GCSE maths revision](#) pages.

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