



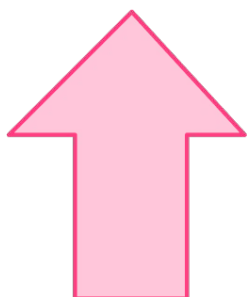
THIRD SPACE
LEARNING

GCSE Exam Questions

Symmetry | Geometry &
Measure

GCSE Exam Questions: Symmetry

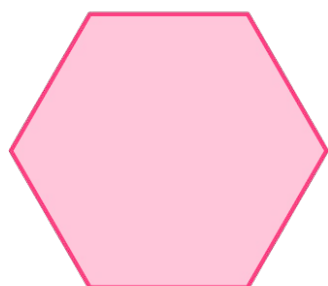
- 1) An arrow is drawn below.



Draw all the lines of symmetry on this shape.

(1 mark)

- 2) The diagram below shows a regular hexagon.



- (a) Write down the order of rotational symmetry of the hexagon.

(1)

- (b) On the diagram draw all the lines of symmetry.

(2)
(3 marks)

GCSE Exam Questions: Symmetry

3) (a) How many lines of symmetry does a regular octagon have?

(1)

(b) Match each polygon to their correct description:



Rotational Symmetry = 2
Lines of Symmetry = 0



Rotational Symmetry = 6
Lines of Symmetry = 6



Rotational Symmetry = 3
Lines of Symmetry = 3



Rotational Symmetry = 4
Lines of Symmetry = 4



Rotational Symmetry = 1
Lines of Symmetry = 1

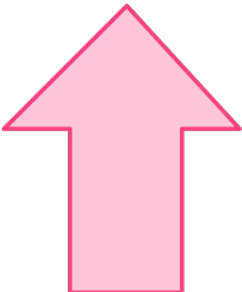
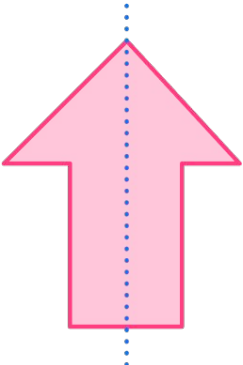
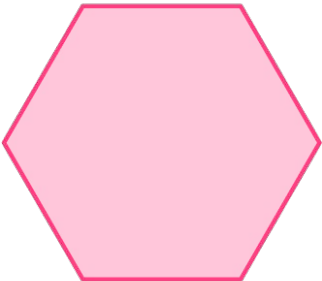
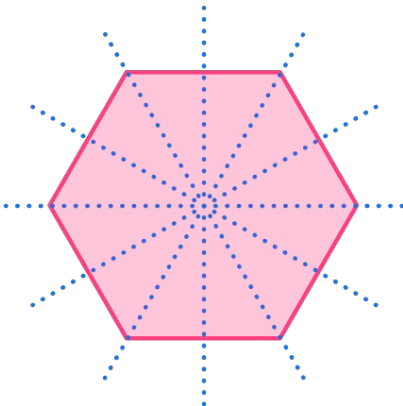


Rotational Symmetry = 2
Lines of Symmetry = 2

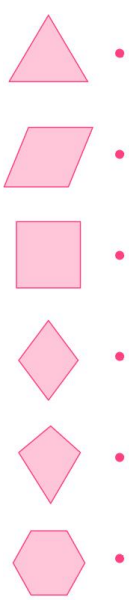
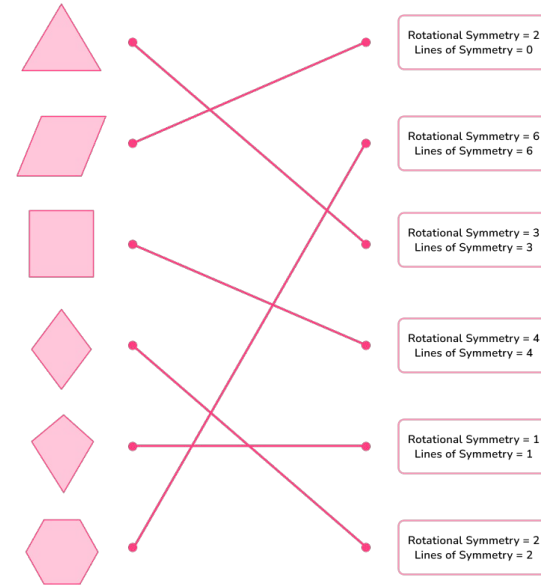


(4 marks)

GCSE Exam Questions: Symmetry Answers

| | Question | Answer | Marks |
|-----|--|--|------------|
| 1) | <p>An arrow is drawn below.</p>  <p>Draw all the lines of symmetry on this shape.</p> |  | (1) |
| 2) | <p>The diagram below shows a regular hexagon.</p>  | | |
| (a) | Write down the order of rotational symmetry of the hexagon. | (a) 6 | (1) |
| (b) | On the diagram draw all the lines of symmetry. | <p>(b)</p>  <p>3 correct lines of symmetry Fully correct diagram</p> | (1) (1) |

GCSE Exam Questions: Symmetry Answers

| | Question | Answer | Marks |
|--------|--|--|--------------------------|
| 3) (a) | How many lines of symmetry does a regular octagon have? | (a) 8 | (1) |
| (b) | Match each polygon to their correct description:  |  One correct match Two correct matches Four correct matches All six correctly matched | (1) (1) (1) (1) |

Where to go next?

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