

Examples



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Workout

Question 1: For each shape below, state the order of rotational symmetry

(a)



(b)



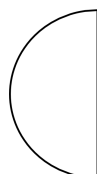
(c)



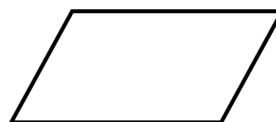
(d)



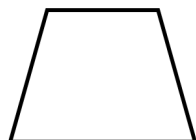
(e)



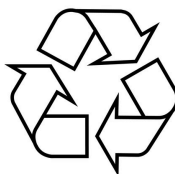
(f)



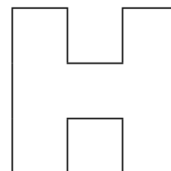
(g)



(h)



(i)



Question 2: Here are some road signs.
For each road sign, write down the order of rotational symmetry.

(a)



(b)



(c)



(d)



(e)



Question 3: Here are some flags.
For each flag, write down the order of rotational symmetry

(a)



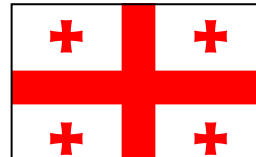
(b)



(c)



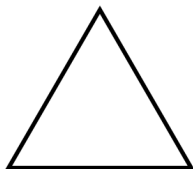
(d)



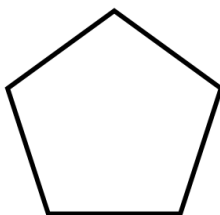
Rotational Symmetry

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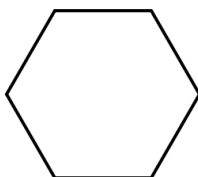
Question 4: Here is an equilateral triangle.
Write down the order of rotational symmetry



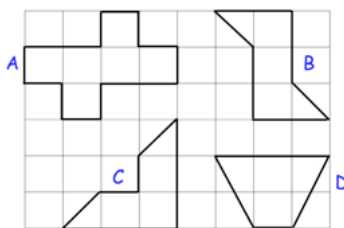
Question 5: Here is a regular pentagon.
Write down the order of rotational symmetry



Question 6: Here is a regular hexagon.
Write down the order of rotational symmetry

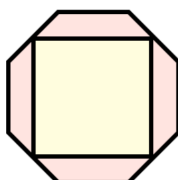


Question 7: Which two shapes have rotational symmetry?



Question 8: Draw a shape with:
(a) rotational symmetry order 1
(b) rotational symmetry order 2
(c) rotational symmetry order 3
(d) rotational symmetry order 4
(e) rotational symmetry order 5

Question 9: A shape is drawn inside a regular octagon.
Write down the order of rotational symmetry.



Rotational Symmetry

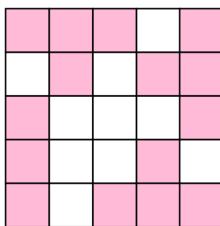
Video 317 on Corbettmaths

Apply

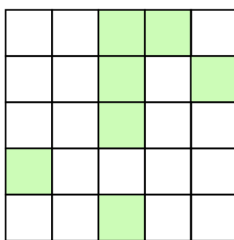
Question 1: Which of these shapes has the lowest order of rotational symmetry?

Square Parallelogram Rhombus Kite Rectangle

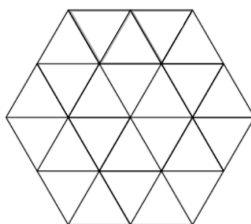
Question 2: Shade one more square so this pattern has rotational symmetry order 4.



Question 3: Shade two more squares to make a pattern with rotational symmetry of order 2.

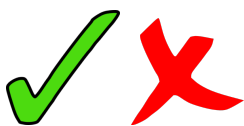


Question 4: Shade six triangles to make a pattern with rotational symmetry order 6.



Question 5: Complete the table to show the symmetry properties of some quadrilaterals.

Answers



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	Exactly 1 line of symmetry	Rotational symmetry of order 2
Rectangle	X	✓
Square		
Kite		
Rhombus		