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

(a) \hspace{1cm} (b) \hspace{1cm} (c) 

(d) \hspace{1cm} (e) \hspace{1cm} (f) 

(g) \hspace{1cm} (h) \hspace{1cm} (i) 

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

(a) \hspace{1cm} (b) \hspace{1cm} (c) \hspace{1cm} (d) \hspace{1cm} (e) 

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

(a) \hspace{1cm} (b) \hspace{1cm} (c) \hspace{1cm} (d)
Rotational Symmetry
Video 317 on Corbettmaths

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.
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.

<table>
<thead>
<tr>
<th>Exactly 1 line of symmetry</th>
<th>Rotational symmetry of order 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rectangle</td>
<td>X</td>
</tr>
<tr>
<td>Square</td>
<td></td>
</tr>
<tr>
<td>Kite</td>
<td></td>
</tr>
<tr>
<td>Rhombus</td>
<td></td>
</tr>
</tbody>
</table>

Answers

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