

Topic 17: Symmetry and tessellation	Key ideas
<ul style="list-style-type: none"> <li><input type="checkbox"/> Identify lines of symmetry in any shape <a href="#">Mathswatch G3</a></li> <li><input type="checkbox"/> Identify the order of rotational symmetry in any shape <a href="#">Mathswatch G7</a></li> <li><input type="checkbox"/> Create shapes given details of their symmetries</li> <li><input type="checkbox"/> Investigate and create tessellations</li> </ul>	<p>I can find the lines of symmetry of a 2D shape.</p> <p>I can recognise and describe rotational symmetry.</p> <p>I can work out the order of rotational symmetry for a 2D shape.</p> <p>I can recognise shapes with rotational symmetry.</p> <p>I can define and identify tessellations.</p> <p>I can discriminate between a pattern and tessellation.</p> <p>I can find tessellations in the real world.</p>

### Key vocabulary

Symmetry	A line of symmetry is an imaginary line where you could fold a picture and both halves would be exactly the same, although flipped over.
Rotational	A shape has rotational symmetry if it looks exactly the same after being rotated. The number of times it matches during one full rotation is called its order of rotational symmetry. Every shape has an order of at least 1.
Tessellate	A pattern of repeated shapes, which fit together closely without gaps or overlapping.