

## ROTATIONAL SYMMETRY

A shape or image has rotational symmetry if it fits exactly onto itself as it is rotated about a centre point.



rotational symmetry of order 2  
(half turn rotational symmetry)

i.e. it fits on top of itself twice  
as it is rotated in a full turn.



rotational symmetry of order 5

i.e. it fits on top of itself 5 times  
as it is rotated in a full turn.

### Symmetry Practice

[http://www.cimt.plymouth.ac.uk/projects/mepres/book9/bk9i7/bk9\\_7i5.html](http://www.cimt.plymouth.ac.uk/projects/mepres/book9/bk9i7/bk9_7i5.html)

Some questions from this page.

<http://www.mathsisfun.com/geometry/symmetry.html>

Read about symmetry.

[www.supermathsworld.com](http://www.supermathsworld.com) Ask your teacher for login details.

Select Shape from the options.

Select SYMMETRY from the menu. Try on Medium level.