



## Symmetry Home Information Sheet

### Second Level (c)



*I can illustrate the lines of symmetry for a range of 2D shapes and apply my understanding to create and complete symmetrical pictures and patterns. MTH 2-19a*

Over the next few weeks we are going to be learning to:

- Recognise symmetry in shapes, pictures or patterns.
- Identify and draw the lines of symmetry on a given 2D shape, picture or pattern.
- Complete symmetrical patterns with two lines of symmetry.
- Create my own symmetrical pictures and patterns.
- Investigate rotational symmetry.

Here are some ideas of how you can help me at home!

**Shape environment changes:** Ask children to look at patterns, which involve rotation or reflection at home or during their journey to school. Examples might include designs on crockery, designs on fences and brickwork on buildings. They record and describe the patterns.

**Wallpaper design:** Ask children to create a design for wallpaper, which involves shapes, which have been rotated or reflected. Back in class they compare and discuss their designs.

Here are some websites that you may find useful to use with me!

<http://www.mathsisfun.com/geometry/symmetry-point.html> Test your understanding of rotational symmetry!

[http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape\\_game.asp](http://www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape_game.asp)  
Can you correctly identify how many lines of symmetry these shapes have?