



[Hide Menu](#)

Problem
[Getting Started](#)
[Solution](#)

[Teachers' Resources](#)

[Primary Curriculum Linked](#)

Maths at Home

You may also like



Tea Cups

Place the 16 different combinations of cup/saucer in this 4 by 4 arrangement so that no row or column contains more than one cup or saucer of the same colour.



Exploring Wild & Wonderful Number Patterns

EWWNP means Exploring Wild and Wonderful Number Patterns Created by Yourself! Investigate what happens if we create number patterns using some simple rules.



Cubes

How many faces can you see when you arrange these three cubes in different ways?

Round a Hexagon

Age 7 to 11 ★

Brenda is walking round an irregular hexagon (a shape with six straight sides). She starts off part of the way along one of the sides.

At each vertex (corner) she turns.

How much does she turn in total when she has walked all the way round?

Use this example to prove that the sum of the external angles of any hexagon is 360 degrees.

The external angle is found by extending the side and measuring the angle between the extended line and the next side.

