

Summer Term Maths Challenge

Wk1 27 April 2020

Dear Children, each week I will be setting challenges for you to complete at home. There will be different challenges which will really get you thinking about your Mathematics. I'd love you to try these and send in your solutions. The aim is not to always be 'right' but to get you thinking and talking about Maths.

Good luck and please do return any work to me at : sjackson@march.w-sussex.sch.uk

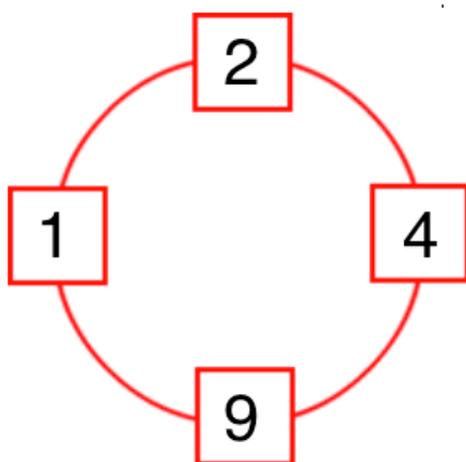
Mr Jackson

Year R,1 and 2

Ring a Ring of Numbers

Age 5 to 7 ★★

Here is a picture of four numbers placed in squares on a circle so that each number is joined to two others:



What do you see?

What do you notice?

Choose four numbers from this list: 1, 2, 3, 4, 5, 6, 7, 8, 9 to put in the squares so that the difference between joined squares is odd.

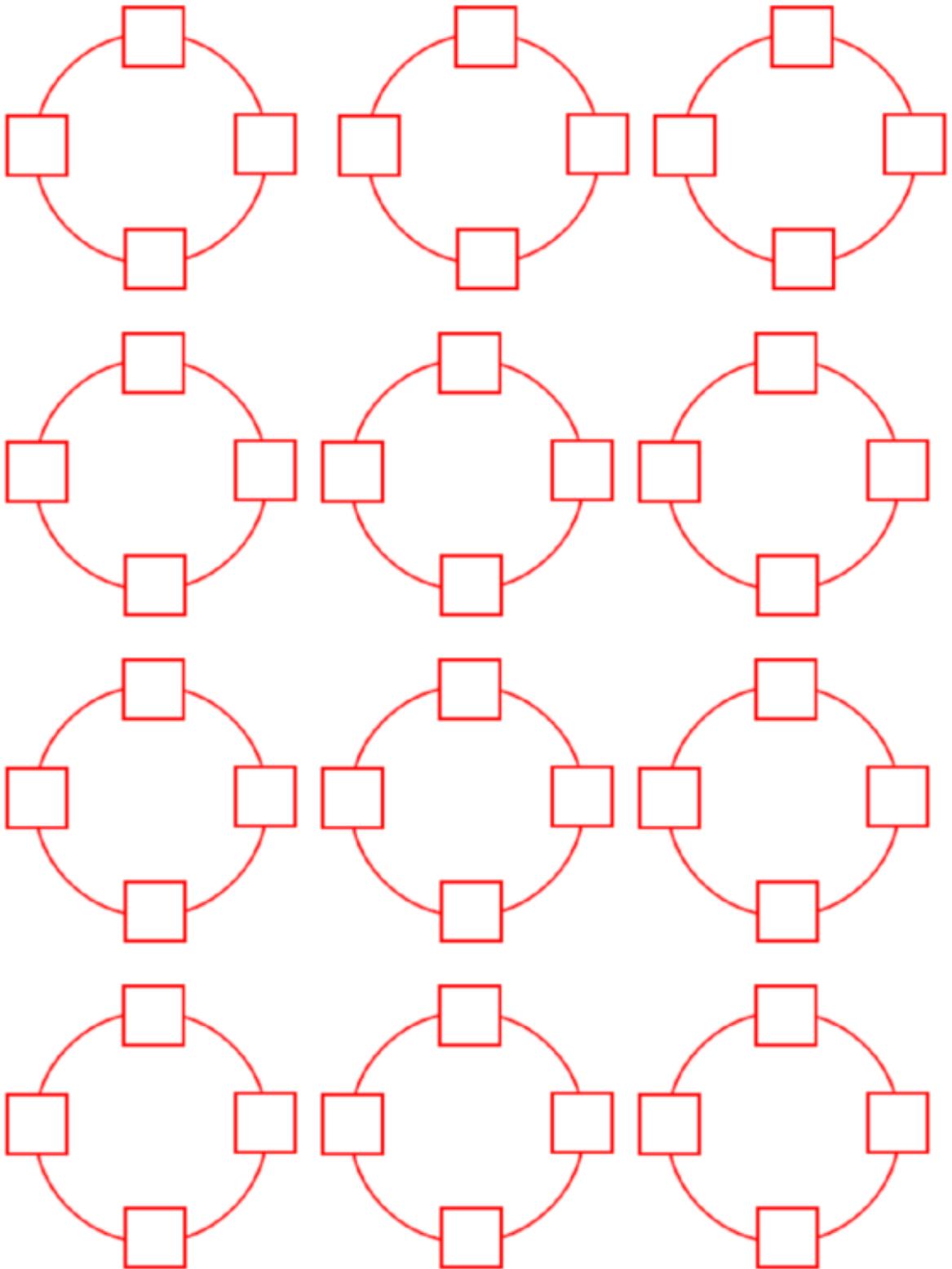
Only one number is allowed in each square. You must use four different numbers.

What can you say about the sum of each pair of joined squares?

What must you do to make the difference even?

What do you notice about the sum of the pairs now?

Blank Circles

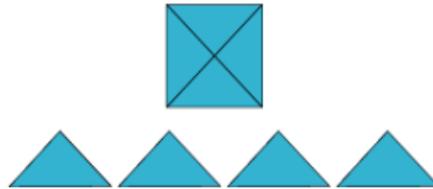


Year 3,4,5 and 6:

Four Triangles Puzzle

Age 5 to 11 ★

If you cut a square diagonally from corner to corner you get four right-angled isosceles triangles.



How many different shapes can you make by fitting the four triangles back together?

You may only fit long sides to long sides and short sides to short sides.

The whole length of the side must be joined.

You might like to record what you do.

