

Summer Term Maths Challenge

Wk 2 4 May 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

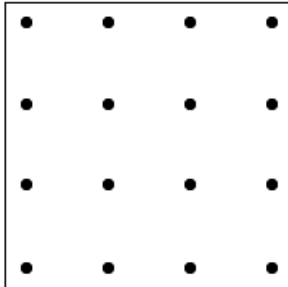
Mr Jackson

Year R,1 and 2

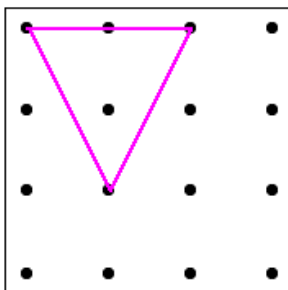
Inside Triangles

Age 5 to 7 ★

Here is a four by four dotted grid:

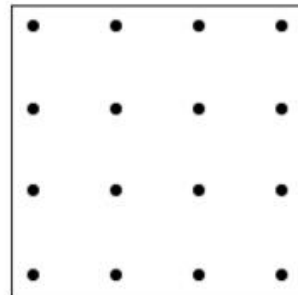
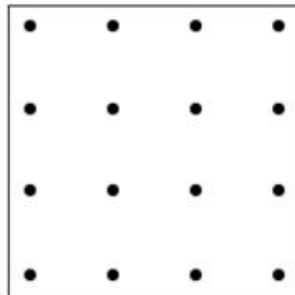
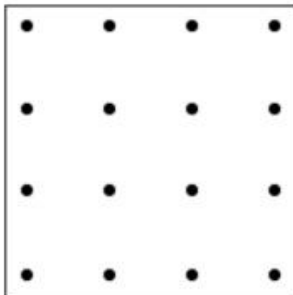
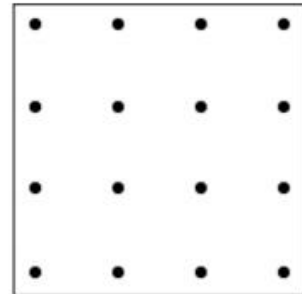
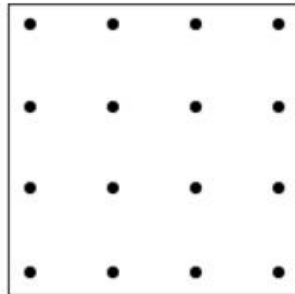
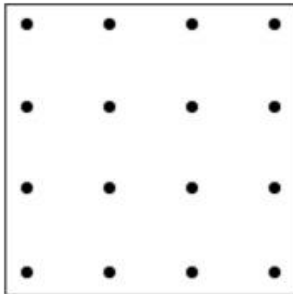
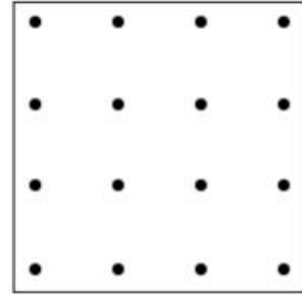
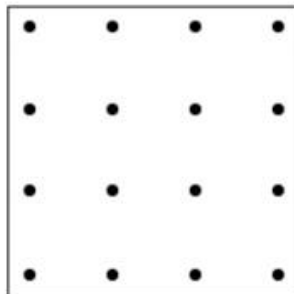
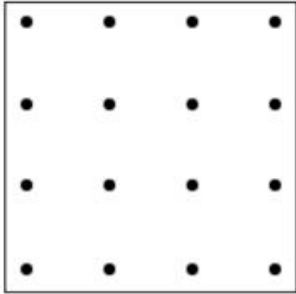


I have joined three dots on the grid to make a triangle which has one dot inside it:



How many different triangles with one dot in the middle can you draw?

How do you know have found them all?



Year 3,4,5 and 6:

Nine-pin Triangles

Age 7 to 11 ★

How many different triangles can you make on a circular pegboard that has nine pegs?

The image shows a worksheet for a math problem. At the top left is the nrich logo. At the top right, the title 'Nine-pin Triangles' is displayed in white text on a blue background. Below the title, there are four identical circular pegboards arranged in a 2x2 grid. Each pegboard consists of a circle with nine black dots (pegs) placed at regular intervals around its circumference. The dots are located at the 12, 2, 4, 6, 8, 10, and 1 o'clock positions, with an additional dot at the 3 o'clock position. The worksheet is intended for students to use these pegboards to explore and count different triangles that can be formed by connecting three dots.

