













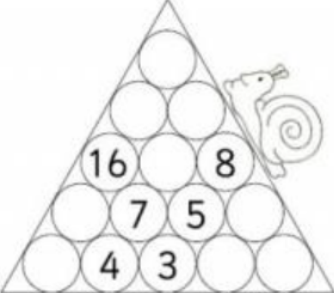


# SUPER-CURRICULAR ACTIVITIES

## MATHEMATICS Year 8

 Research a famous Mathematician and find out ten interesting facts about them.	 How many ways can you make the following statement true using any operations (+/-/÷/× and brackets) in the boxes. <input type="text"/> <input type="text"/> <input type="text"/> 2 = 2	 Draw a 4 x 4 grid and then colour it with 4 blue squares, 3 red squares, 3 green squares, 3 yellow squares and 3 white squares. No two squares of the same colour must be in a line, either vertically, horizontally or diagonally.
 A collection of sheep and turkeys have a total of 99 heads and legs between them. There are twice as many turkeys as there are sheep. How many of each are there?	 Visit this website and challenge yourself by completing some ken ken's. Follow <b>Link 1</b> (below)	 Read 'The Curious Incident of the Dog in the Night time' By Mark Haddon.
 Watch 'The Story of Maths' Presented by Marcus Du Sautoy.	 Complete the Making Sheets Investigation on mymaths. Follow <b>Link 2</b> (below)	 Complete the pentominoes investigation on mymaths. Follow <b>Link 3</b> (below)
 Use a pair of compasses to create an accurate regular hexagon. Find and watch Michael Hartley's YouTube video to help.	 Using the Nrich website as many triangles in the circle as possible. Follow <b>Link 4</b> (below)	 Complete the pyramid problem below. The two numbers below sum to the circle above it.
 Read 'How Long is a Piece of String?' By Rob Eastaway.	 Complete a 4 x 4 grid with the numbers 1 to 16 where every row, column and diagonal adds to 34.	

### Links to websites used in this Super-Curricular Activities sheet:

Link 1: <http://www.kenkenpuzzle.com/>

Link 2: <https://app.mymaths.co.uk/397-investigate/making-sheets>

Link 3: <https://app.mymaths.co.uk/250-investigate/pentominoes>

Link 4: <https://nrich.maths.org/trianglesincircles>

	Reading task		Creative task		Watching task		Student-led task
	Research task		Writing task		Listening task		Trip or visit