













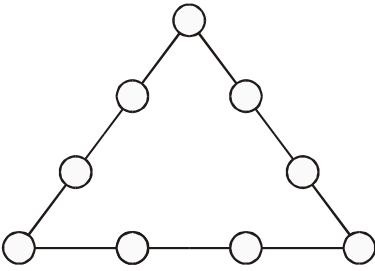




# SUPER-CURRICULAR ACTIVITIES

## MATHEMATICS Year 7

 Research a famous Mathematician and find out five interesting facts about them.	 Make as many of the numbers from 1 to 100 as possible using the <b>all</b> numbers 1, 2, 3 and 4, and any operations (+/-/÷/× and brackets)	 Draw a 3 x 3 grid and colour the squares either red, white or blue so that each red touches a white square, each white touches a blue square and each blue touches a red square.
 If 6 cats can catch 6 rats in 6 minutes, how many cats are needed to catch 10 rats in 10 minutes?	 Visit this website and challenge yourself by completing some sudoku puzzles. 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 Billionaire Investigation on mymaths website. Follow <b>Link 2</b> (below)	 Complete the one of the mini investigations on mymaths website. Follow <b>Link 3</b> (below)
 Use a pair of compasses to create a beautiful picture	 Using the Nrich website draw some stars using their interactive tool. Follow <b>Link 4</b> (below)	 Make a copy of the following triangle below with four circles along each edge. Use the numbers 1 to 9, putting one number in each circle so that the four numbers along each edge add up to the same total. Find two ways of doing this.
 Read 'Why do Buses Come in Threes?' by Rob Eastaway	 Complete a 3 x 3 grid with the numbers 1 to 9 where every row, column and diagonal adds to 15.	

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

Link 1: <https://sudoku.com/>

Link 2: <https://app.mymaths.co.uk/390-investigate/billionaire>

Link 3: <https://app.mymaths.co.uk/902-investigate/mini-investigations>

Link 4: <https://nrich.maths.org/2669>

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