



Year 8 Maths



Task	Details	Points
History of negative numbers	Read the history of negative numbers https://nrich.maths.org/articles/history-negative-numbers Create a fact file of what you have learnt.	5pts
Tower of Hanoi	Play the game Tower of Hanoi - take screenshots as you go! Write a paragraph describing your strategy - consider what Aspire techniques you used to help you complete the levels. https://www.mathsisfun.com/games/towerofhanoi.html	5pts
Favourite Number	Watch the clip of people talking about their favourite number. https://www.youtube.com/watch?v=iIKYqdQxS9c Make your own clip about your favourite number and why it is your favourite number	5pts
Dodecahedron	Design and make a dodecahedron	5pts
Infinity Elephants	Watch Doodling in Math Class Infinity Elephants www.youtube.com/watch?v=vGjrKiLleYQ and create your own circle fractal picture	5pts
Rangoli Patterns	Investigate Rangoli and create your own Rangoli Pattern, covering a minimum of an A4 page.	10pts
Konisberg Bridge Problem	Research the Konisberg Bridge problem and make a poster describing it. Add a labelled diagram showing your attempts to solve the problem.	10pts
Lost Islamic library	Read this article and make notes on your findings (min 400 words) https://www.bbc.co.uk/future/article/20201204-lost-islamic-library-maths	10pts
Junior Maths Challenge Paper	Complete a Junior Maths Challenge Paper https://ukmt.org.uk/competition-papers/jsf/jet-engine:free-past-papers/tax/challenge-type:67/#free-past-paper-anchor . Make sure you keep hold of your working!	10pts
The Number Devil	Read ' <i>The Number Devil</i> ' by Hans Magnus Ezenberger	15 pts

	and write a 300 word book review.	
Famous Women in Maths	Research three famous women in maths and create a presentation on them. Be prepared to present your findings!	15pts
Math Girls	Read ' <i>Math Girls</i> ' by Hiroshi Yuki and write a 300-400 word book review. You should include your five favourite quotes and why they stood out for you.	20pts