



Year 9 Maths



Task	Details	Points
Rubik's cube	Make a timelapsed video of you solving a Rubik's cube.	5pts
UKMT Puzzle of the week	Complete five Problems of the week - keep a record of your working! https://ukmt.org.uk/new-problem-of-the-week	5pts
Two Jugs Problem	Watch the clip from Die Hard 3 and write a solution to the two jugs problem https://www.youtube.com/watch?v=BVtQNK_ZUJg	5pts
Monty Hall problem	Watch the clip about the Monty Hall Problem and write a paragraph explaining the solution https://www.youtube.com/watch?v=4Lb-6rxZxx0	5pts
Imaginary Numbers	Investigate imaginary numbers and make a presentation on what you discovered	5pts
Intermediate Maths Challenge	Complete an Intermediate Maths Challenge Paper - keep a record of your working! https://ukmt.org.uk/competition-papers/jsf/jet-engine:free-past-papers/tax/challenge-type:70/#free-past-paper-anchor	10pts
Columbus Cube	Research and create your own Columbus cube	10pts
Hidden maths	Read the article about Hidden Maths and write down 5 key facts https://www.bbc.co.uk/culture/article/20160307-the-hidden-maths-in-great-art	10pts
Problems with Zero	Watch the clip about problems with zero and make a presentation about what you discovered https://www.youtube.com/watch?v=BRRoIKTIF6Q	10pts
Black Heroes of Maths	Watch the following talk about Black Heroes of maths and make notes on your findings https://media.ed.ac.uk/media/1_xx1mscjk	15 pts
Applied Maths	Choose one of the articles on Tom Rocks Maths	15pts

	https://tomrocksmaths.com/articles-2/applied-maths/ and create a poster explaining what you learnt	
You are a mathematician	Read ' <i>You are a Mathematician</i> ' by David Wells and make a poster on something you discovered in the book	20pts
Humble Pi	Read ' <i>Humble Pi</i> ' by Matt Parker and write a 400 word book review. Include your favourite maths error you read about.	20pts