



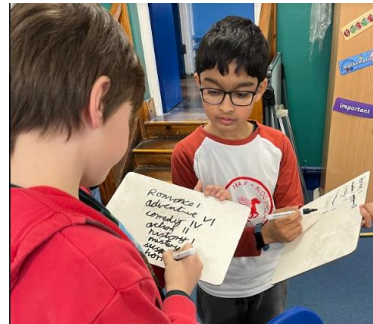
Welcome back to our maths newsletter!

We hope you all had a lovely half term break and are looking forward to the term ahead. Please enjoy this latest edition of the WCPS Maths Newsletter.

Learning in School:

We had so much fun celebrating World Book Day this Friday. As well as dressing up as our favourite characters, Year 5 collected data on their classes' favourite book genres.

They then presented this data in bar charts. Have a look at their findings!



Daily 10 (Top Marks Online Resource):

Have a spare 5 minutes? Why not play on Top Marks' Daily 10!

This is a great tool, from the same website as 'Hit the Button', that provides sets of 10 questions from a range of topic choices. With levels 1-6, Daily 10 is the perfect way to practise skills from doubling and halving to fractions and decimals!

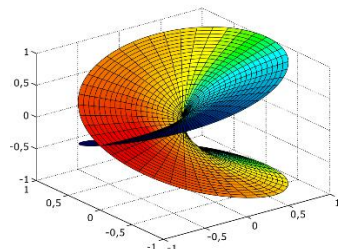
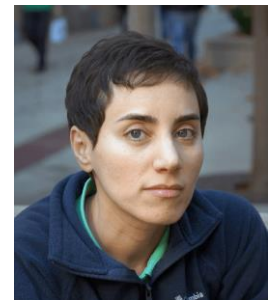
<https://www.topmarks.co.uk/maths-games/daily10>

Maryam Mirzakhani (1977-2017):

Iranian-born Maryam Mirzakhani was one of the greatest mathematicians of her generation, making exceptional contributions to the study of geometry of mathematical objects called Riemann surfaces.

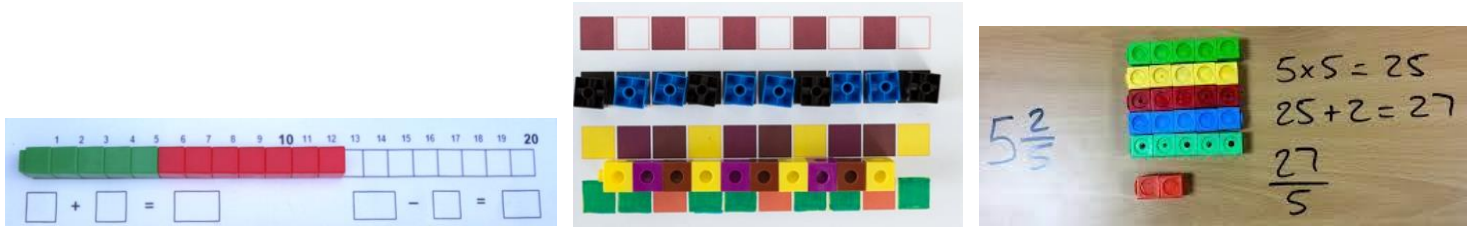
She was a professor at Stanford University and held a PhD from Harvard University. In 2014, she was the first woman, and first Iranian, to be awarded a Fields Medal (also known as the International Medal for Outstanding Discoveries in Mathematics).

Her work had a huge impact in shaping her field and has opened up new areas of research that are just starting to be explored. She shows us that, even in a male-dominated field, women can be role models and lead the way forward with their discoveries.



Maths Resource: Multilink Cubes

Multilink Cubes are a great resource that can be used within a range of maths topics as they are a good way of making maths both practical and visual for all learners. Multilink cubes can help to visualise patterns, the size of numbers, representing multiplication arrays or even fractions. See below the different ways these can be used from Nursery to Year 6!



Maths Book Recommendations:

KS1: *Centipede's 100 Shoes* by Tony Ross

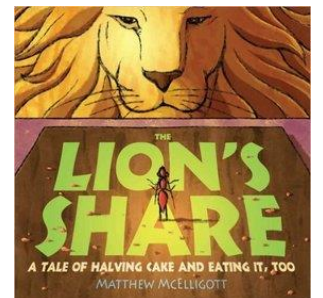
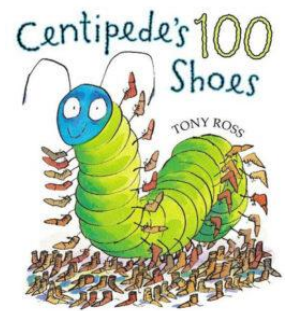
<https://www.youtube.com/watch?v=MECCYSENatg>

A funny tale of a centipede who gets sore feet and needs shoes and socks to help with his problem. Having always thought he had 100 feet, Centipede eventually realises that he doesn't have that many. In the end he gives up on the footwear and redistributes them to his lesser-footed friends.

KS2: *The Lion's Share* by Matthew McElligott

<https://www.youtube.com/watch?v=7ZBFSHsITnU>

When Ant receives a special invitation to dine with Lion, she is ready to be on her best behaviour. During dessert, the other guests do not mind their manners, each one taking half of the remaining cake as it is passed around. By the time it reaches Ant, barely a crumb is left for her to share with the King!



EYFS and KS1 Challenge:

If

$$\triangle + \triangle = 12$$

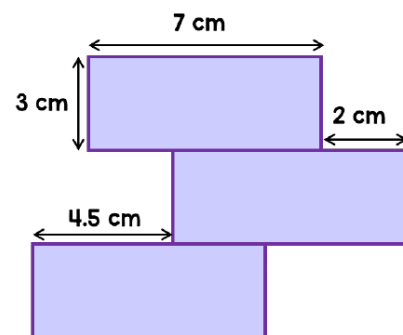
$$\heartsuit + \triangle = 19$$

What is the value of \heartsuit ?

Last issue's answer = £25

KS2 Challenge:

Three identical rectangles are arranged to make a shape.



What is the perimeter of the shape?

Last issue's answer = 94 and 46