



Welcome to our maths newsletter!

Here at Wimbledon Chase we are very passionate about maths, not only learning in the classroom but also maths all around us.

Each of our newsletters will feature a maths event inside/ outside of school, a mathematician, a maths strategy/ resource that we use in school, some EYFS, KS1 and KS2 maths challenges, top tips for helping your child at home and some maths book recommendations for you to enjoy with your child.

We hope that you enjoy the first issue of the new academic year!

Learning in School:

To kick off the new academic year, all classes in school have been participating in 'positive mindset' maths lessons. This is to help build a classroom environment that **embraces mistakes as part of the learning process** thus developing resilience, confidence and risk-taking in future lessons.

These lessons included discussions, games, mini-challenges, using maths resources and questions with no 'right' answer.



Helping Your Child at Home:

Last term, we told you about the White Rose Maths app called '1-Minute Maths'. This free resource is a quick and easy way to practise fluency skills (including number bonds and multiplication recall) from nursery up to Year 6.

If you haven't already, we would highly recommend downloading this free app for some quick maths fluency practice at home/ on the go.

Benjamin Banneker:

1731 - 1806

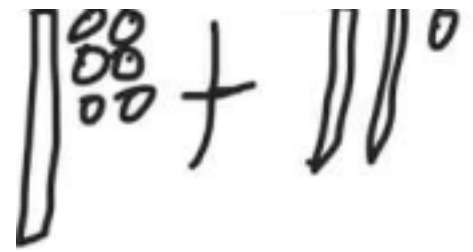
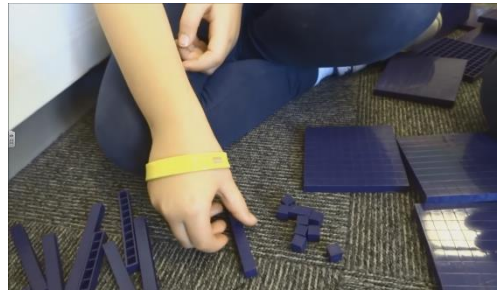
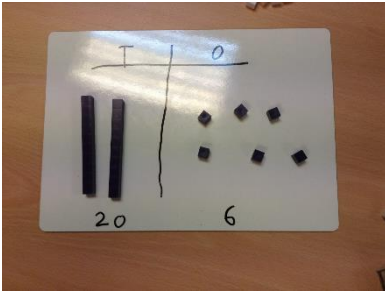
'Almanac Author'

Benjamin Banneker was an American mathematician, astronomer and author. He had very little formal education (in school) and had to teach himself most of what he knew. Despite these challenges growing up, he was resilient and had a great interest in mathematics. He even went on to build a wooden clock, that struck hourly, using entirely indigenous American resources.



Maths Resource: Dienes

Dienes are a **concrete** (physical) resource used throughout the school. They are small plastic cubes that are used to represent different amounts. In EYFS/ KS1, they are used to represent tens and ones up to 100. In KS2, they are used to represent numbers into the thousands. Once the children understand how dienes work, they can then draw them in their calculations (**pictorial**) as seen below.



Maths Book Recommendations:

KS1: *One is a Snail, Ten is a Crab* by April Sayre and Jeff Sayre

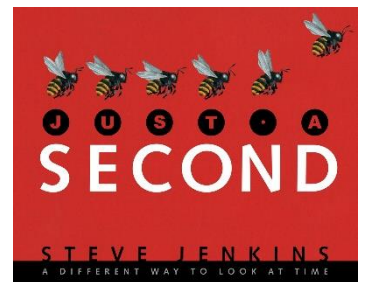
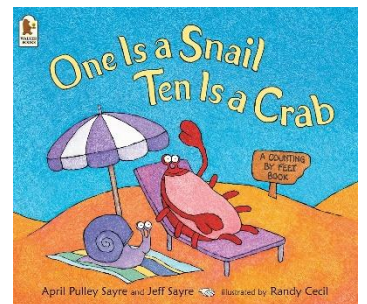
<https://www.youtube.com/watch?v=VyDTpj8uxs8&t=146s>

A really enjoyable and clever mathematical story. The book gets children thinking about the concept of multiplication and scaling by comparing feet. Discuss what changed (the number of feet, the creature) and stayed the same at each point in the story (always one creature). What else? I wonder what creatures you could use to make 20 legs? If I had 2 creatures in my pocket, what are the greatest and smallest number of legs I could have?

KS2: *Just a Second* by Steve Jenkins

<https://www.youtube.com/watch?v=0-cLhRLKZDU>

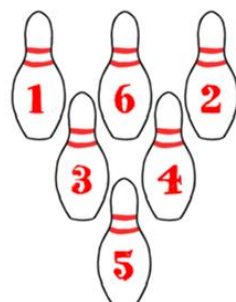
This book is full of mind-blowing facts that readers young and old will find astounding, offering interesting context to the complex topic of time as well as distance and world history. You could use this book to talk about the amazing facts or to delve deeper into each page and work through some of the related calculations.



EYFS and KS1 Challenge:

Bowling:

Michael knocks down some bowling pins. He adds the numbers together and gets a total score of 9. How many different pins could he have knocked down?

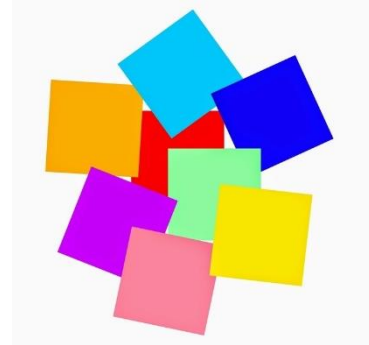


Last issue's answer = 12

KS2 Challenge:

Coloured Paper:

Eight pieces of coloured paper have fallen on the floor. Work out the order in which they fell:



Last issue's answer = 71