



Welcome back to our maths newsletter!

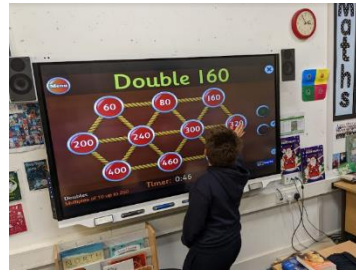
Happy New Year everyone! We hope you all had a lovely Christmas break and are looking forward to the term ahead. Please enjoy this latest edition of the WCPS Maths Newsletter.

Learning in School:

Maths Week 2022!

As you may know, last term we celebrated Maths Week 2022. Our focus was number fluency and automaticity; the ability to recall number and multiplication facts instantly and automatically without having to calculate the answers.

Across the school, we enjoyed playing lots of games to help increase our fluency. We also sent home a parent pack with different activities which we hope you found useful. Aside are some pictures of maths in action around the school during the week.



NRICH Online Resource:

If you're looking for some fun maths games and challenges to complete with your child/ren at home, ENRICH is a great place to start.

Its online page is full of different games across a variety of topics that you can play either online or with printed resources.

<https://nrich.maths.org/9086>

Dr Euphemia L. Haynes (1890-1980):

Euphemia L. Haynes was the first African American woman to earn a Ph. D. in mathematics (the highest degree you can earn in maths). She was a teacher for 47 years in elementary schools, high schools and universities and even became the first woman to be in charge of the Board of Education in Washington, USA.

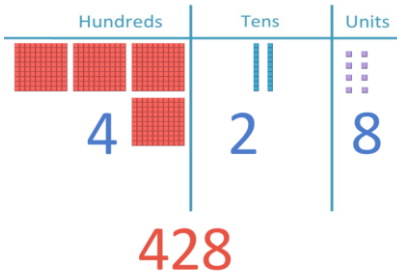
Before she died, she set up a trust fund that gave \$700,000 to Catholic University. In 2004, the E.L. Haynes Public Charter School in Washington was named in her honour and The Catholic University of America established the Euphemia Lofton Haynes Award to recognise outstanding junior mathematics majors who have demonstrated excellence and promise in their study of mathematics.



Maths Resource: Place Value Chart

Place value is the value of each number. This can be clearly demonstrated through a Place Value Chart. On the chart, numbers sit in a column which indicates their value. In the middle example below, there are 4 hundreds, 2 tens and 8 ones which make the number 428 altogether. It's important for children to notice that while a digit may be the same, its value will change depending on its position in the number (and on a Place Value Chart). Place Value Charts are used in many different areas of maths; including addition and subtraction, multiplication and division, and decimals.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones



Decimal Place Value Chart				
Tens	Ones	.	tenths	hundredths
2	4	.	6	8

Maths Book Recommendations:

KS1: *How Many Legs* by Kes Gray and Jim Field

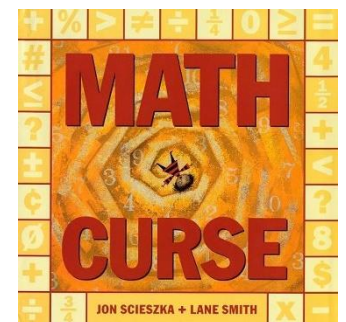
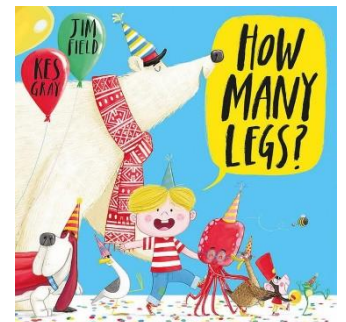
<https://www.youtube.com/watch?v=anVfq-T-J0>

This fantastic author-illustrator duo always bring laughter into learning with their books and this time you get a helping of maths at the same time. Starting simply, the reader is asked to add different numbers of animal legs. The difficulty level increases as the book progresses and children love comparing their results at the end (with big cheers from those who get it correct).

KS2: *Math Curse* by Jon Scieszka and Lane Smith

<https://www.youtube.com/watch?v=8-ozgmx2nMI>

Why do 2 apples always have to be added to 5 oranges? Why do 4 kids always have to divide 12 marbles? Why can't you just keep 10 cookies without someone taking 3 away? Why? Because you're the victim of a Math Curse. That's why. But don't despair. This is one girl's story of how that curse can be broken.



EYFS and KS1 Challenge:

Here's how much it costs to go to the zoo:



Mr Jones is taking 3 children to the zoo. How much will they pay altogether?

Challenge: What cash amounts could they use? Is there more than one answer?

Last issue's answer = various possibilities

KS2 Challenge:

Here are two number cards



- The sum of the two numbers is 140
- The difference between the two numbers is 48

Work out the value of each number

Last issue's answer = 16cm