

Spring Term Maths NewsLetter

Spring 2024



Maths at Pyrford this Spring

Welcome to the first Maths newsletter from Pyrford C of E Primary School. Each term we aim to create a newsletter that will feature an explanation as to what is being taught in Maths this term, an explanation of a key mathematical strategy that is used in school, useful websites which you may want to use to support your child at home and we will show some challenges which you may wish to have a go with your child at home - these challenges are only a suggestion and not an expectation for you and your child to complete. Please read and enjoy getting to understand Maths at Pyrford from this newsletter!



Let's take a look at what is being learned this term:

Nursery: the children are being exposed to the numbers 1-5. They will use their understanding of subitising to recognise these amounts and will use this to help them to find one more or one less.

Reception: the children will be deepening their understanding of number as they focus on the numbers 5-10. They will explore and compare these.

Year 1: the children will deepen their understanding of place value, which is an incredibly important skill for all children. They will look at the value of numbers within 20 and will extend their learning by using this knowledge to add and subtract within 20 later on in this term.

Year 2: the children will learn their multiplication and division facts of the 2s, 5s and 10 times tables! The children really enjoy learning their times tables through rhymes, songs and games.

Year 3: the children will continue to develop their understanding of multiplication and division by looking at written methods they can use to multiply and divide 2-digits by 1 digit.

Year 4: the children will learn all of their multiplication and division facts up to 12×12 . The children use this knowledge to use formal written methods to multiply and divide 3-digits by 1 digit.

Year 5: the children will deepen their understanding of written methods by learning long multiplication. The children will then move onto fractions and decimals.

Year 6: the children will be focussing on problem solving using fractions, decimals and percentages as well as ratio and proportion.

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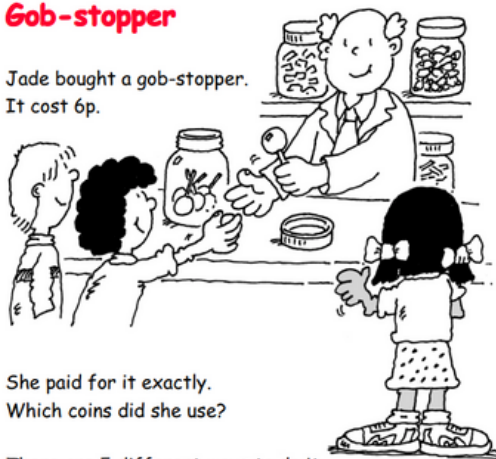
Do you fancy a mathematical challenge?

Below are some challenges you can complete at home with your child. These are only optionally and not expected to be brought into school but can be discussed at home.

KS1 Challenge:

Gob-stopper

Jade bought a gob-stopper.
It cost 6p.



She paid for it exactly.
Which coins did she use?

There are 5 different ways to do it.
Find as many as you can.

What if the gob-stopper cost 7p?

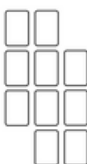
KS2 Challenge:

Next door numbers

Take ten cards numbered 0 to 9.



Arrange the cards like this.



Do it so that no two consecutive numbers are next to each other, horizontally, vertically or diagonally.

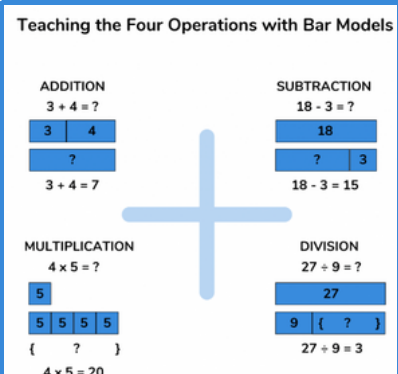
There are lots of ways to do it.
How many ways can you find?



The Bar Model:

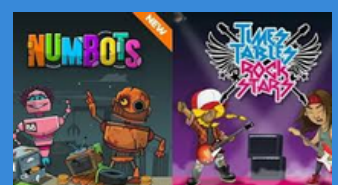
Bar modelling is a strategy used by children to visualise mathematical concepts and solve problems. The bar model method is pictorial – children draw bars to represent objects or quantities. As pupils develop an understanding of this method, they will be able to draw bars that are increasingly proportional. The children use this strategy to support their understanding across the curriculum, particularly supporting addition and subtraction, multiplication and division and fractions.

Some examples can be seen below:



Helpful websites/ programmes to use at home:

At school, we are lucky enough to be subscribed to Numbots and TT Rockstars. These are programmes specifically designed to support children's fluency in Maths. Numbots will help develop the recall of number bonds and addition and subtraction facts while Times Table Rocks Stars (TTRS) focuses on the rapid recall of multiplication facts up to and including 12 multiplied by 12. Children from the age of 5 use Numbots and those in Year 2 from the Summer term use TT Rockstars.



Other useful websites to use at home are:

- <https://www.bbc.co.uk/bitesize/subjects/z6vg9j6>
- <https://www.timestables.co.uk/>
- Whiterose Maths one minute Maths app

