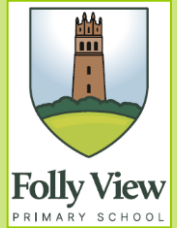


Maths Newsletter



Edition 1

November 2022

Do you find Maths Tricky?

If the answer is yes, you are not alone. Did you know it is not uncommon for lots of grown-ups to say they find Maths tricky?

National Numeracy has lots of resources to help adults develop their confidence and understanding of maths to use in the workplace and everyday life. It also has tips about how to support children with maths too. Just visit their website at: <https://www.nationalnumeracy.org.uk/> to find out more.

What has my child been learning so far in Maths?

In Sunflower and Seedlings children have been learning about shapes, number books and number songs.

In Reception children have been learning about representing and showing the numbers 0 – 3 in different ways. They also explored finding and making patterns.

In Year One children have been learning about representing the numbers 0 to 10 and are beginning to compare them using the symbols $<$ $>$ and $=$.

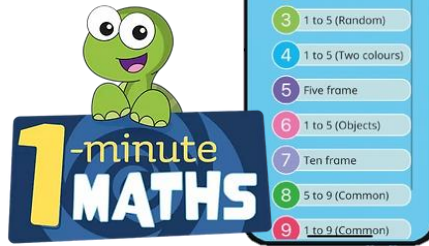
In Year Two children have explored the place value of two-digit numbers, using tens and ones and have now started using them in addition and subtraction.

In Year Three children have explored the place value of three-digit numbers, looking at the number of hundreds, tens and ones and are now using them in addition and subtraction.

1-Minute Maths App by White Rose Maths

This is a great, free app that you can download from the Apple App Store for Apple Devices, Google Store or Amazon AppStore.

This app is designed for Reception, Year 1, and Year 2 children, to help them develop quick recall of number facts and recognition of different representations of numbers. Why not give it a go and see if you can recall more number facts in a minute each time you try?



Place Value - what is it?

Just as we write words using letters, we write numbers using the digits 0 to 9. The place we put these digits in, in a number gives it value. For example, in 132 the 1 means we have one hundred, the 3 means we have 3 tens and the 2 means we have 2 ones. Place Value is when we explore the value of each digit in a number.

Representations and Strategies - Ten Frames

We use ten frames a lot in Maths, to represent numbers in a variety of different ways. A ten frame is a 5 by 2 grid. You can draw shapes, pictures, or place counters in each of the spaces on the ten frames. Ten frames are a terrific way of representing numbers because you can quickly see and recognise the number without having to count each individual item.



These ten frames show the number bonds:
 $7+13=20$, $13+7=20$,
 $20+7=13$, $20=13+7$.

We can use ten frames to represent number bonds to make 10 using just one ten frame or 20 using two ten frames by using two different colours of counters to represent the numbers being added together. We can also use full ten frames to represent the number of tens, and a partially filled ten frame to represent the number of ones in a two-digit number.

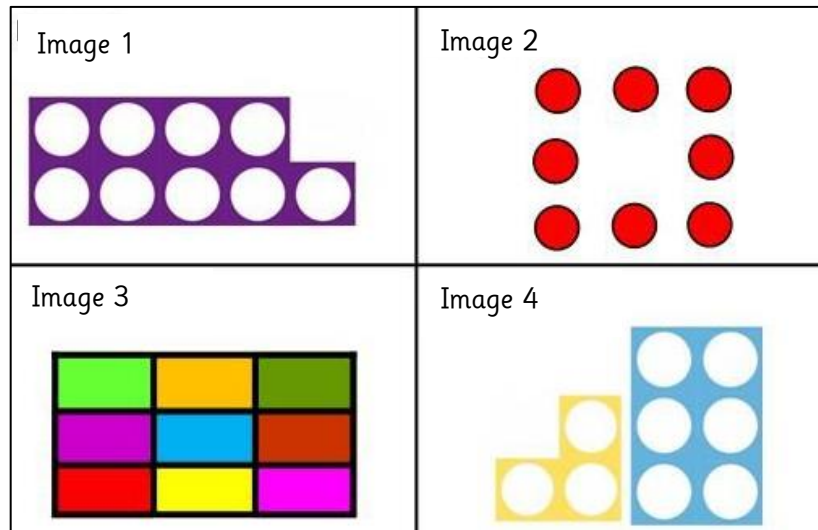
You can also use the ten frames for subtraction by removing the number of counters or crossing out the number of pictures you are subtracting.

To find out more, why not ask your children how they use ten frames at school to help them in Maths or have a go at using ten frames at home to represent numbers? You don't need any fancy equipment or counters – just draw your own ten frames on a piece of paper and use objects from around the home like grapes, raisins, chocolate buttons, paper clips or toys like Lego blocks.

Reception and Year 1 Problem Solving Challenge

Look at the four images below showing different numbers.

Which image is the odd one out? Why?

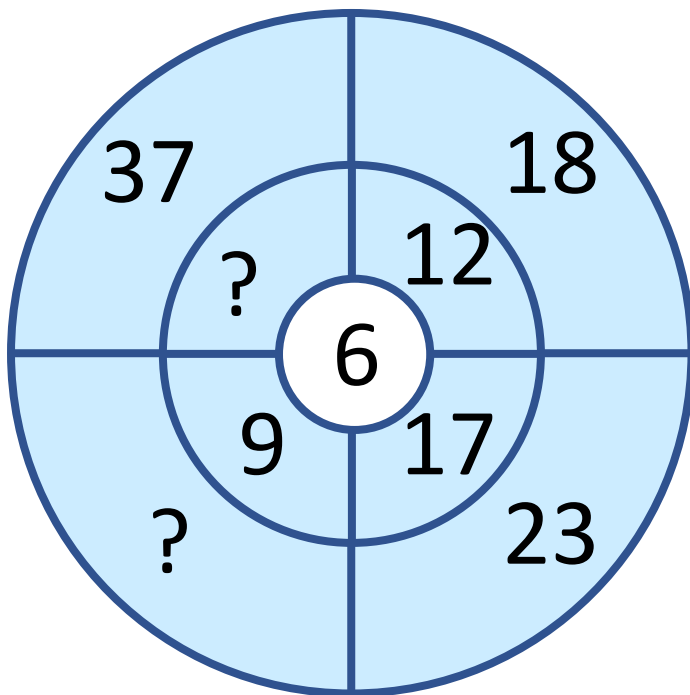


Once you have worked out the answer, write it down with an explanation of why it is the odd one out. Don't forget to include the title Newsletter Problem Solving Challenge, your name, class and year group and hand in to your class teacher by Friday 10th December 2022 who will pass it on to the School's Maths Subject Lead.

Everyone who participates will get a sticker for having a go at the challenge. Children who get correct answers will have their names put into a hat to win a maths-related prize.

Have fun and good luck solving the challenge!

Years 2 and 3 Problem Solving Challenge



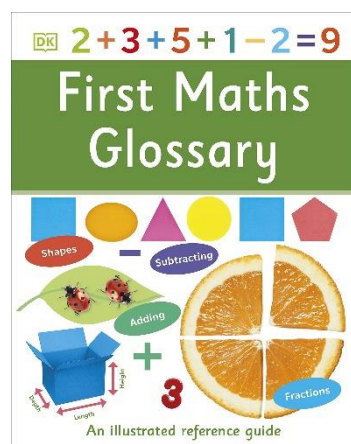
Here is a number puzzle. Can you work out the two missing numbers where the question marks are?

Once you have worked out the answers, write them down on a piece of paper with the title Newsletter Problem Solving Challenge, your name, class and year group and hand in to your class teacher by Friday 10th December 2022 who will pass it on to the School's Maths Subject Lead.

Everyone who participates will get a sticker for having a go at the challenge. Children who get correct answers will have their names put into a hat to win a maths-related prize.

Have fun and good luck solving the challenge!

Maths Book Recommendation- First Maths Glossary by Dorling Kindersley (DK)



This non-fiction reference book, published by Dorling Kindersley, illustrates using pictures and real-life examples a variety of mathematical concepts that children in Key Stage One and Lower Key Stage Two learn about. From place value, ten frames, number lines, counting in 2s, 5s, 10s, and times tables. Other concepts explored in the book include identifying 2D and 3D shapes and their properties, measuring mass, length, capacity, volume, time, and money. It also explains different mathematical vocabulary and terminology that we use every day in maths lessons.

This is a fantastic book which children really enjoy dipping in and out of to help develop their knowledge and understanding of maths. A useful guide that can help not just in school but at home with understanding new concepts.