

## Ada Lovelace– the mother of computers!

Born in 1815, Ada was taught logic, science and maths from a young age, which was very unusual for women at the time. In 1833, she met Charles Babbage, who had begun designs for a computer. Ada developed the plans and described how codes could be created to handle letters and symbols. She also created a method for the engine to repeat instructions– something that computer programmes still use today!

Ada Lovelace day is celebrated every year to recognise the achievements of women in science, technology, engineering and maths.



## Maths at Woodloes Primary School

At Woodloes Primary school, we strive to ensure all pupils become 'Marvellous Mathematicians'.



As part on our learning at home, Key Stage 1 pupils have access to Numbots and Key Stage 2 use Times Table Rockstars..

Monday's assembly saw us celebrating success in Numbots with the Maths subject lead presenting Year 1 pupils with certificates.

Well done Year 1! 🐼

We look forward to more pupils receiving certificates.

**Mrs Khaira**  
Maths Subject Lead



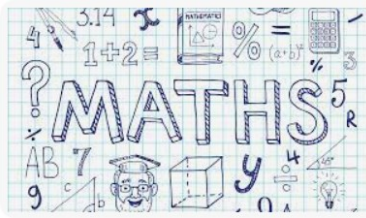
## Homework

I hope your child/ren are enjoying their weekly homework linked to Times Table Rockstars or NumBots. All pupils have a login and pupils are encouraged to login each day for 10 minutes. This supports their fluency and quick recall of their multiplications. Numbots is for pupils in EYFS and Year 1 and develops their understanding and fluency of number bonds.

For more information please go to  
<https://ttrockstars.com/>

## Upcoming Events:

- Year 6 pupils will be part of a national Maths competition



## Key Stage One Maths Mindwakers.

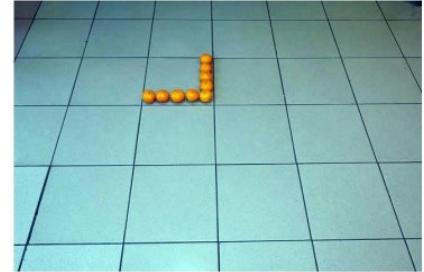
Can you have a go and solve the puzzles below?

### KS1 challenge



Using each of these coins as many times as you like, how many ways can you make each of these totals?

- a) 40 p
- b) 15 p
- c) 20 p



What mathematical questions can you write for this picture?

Example:

How many oranges will fit on one tile?

How many oranges will fit on 4 tiles?

To help your child with maths at home, you could try some of these top tips:

- Play a board game with a sand timer or a timer on a phone. Get your child used to how long 30 seconds or a minute is.
- Organise toys or objects into arrays to practise times tables.  
E.g. 2 rows of 4.  $2 \times 4 = 8$



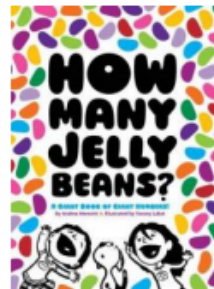
## Maths book recommendations



The Perfect Fit  
by Naomi Jones

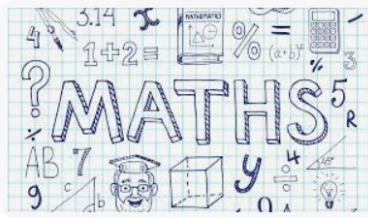
This beautiful picture book introduces different 2D shapes and

shows that it's ok to be different! As well as helping younger children learn the names of shapes, it demonstrates tessellation and properties of shapes for older readers.



How Many Jelly Beans?  
By Andrea Menotti

This giant picture book helps children to understand the concept of large numbers in a fun and engaging way, starting with 20 and working up to a huge fold-out page showing one million jelly beans!



## Key Stage Two Maths Mindwakers.

Can you have a go and solve the puzzles below?

### KS2 challenge



Take five coins: 1p, 2p, 5p, 10p, 20p.

Using two coins, what is the biggest amount you can make? What is the smallest?

Using just three different coins, how many of the numbers between 1p- 50p can you make?



What mathematical questions can you write for this picture?

Example:

If there are 66 squares, how many will be red? Blue?

In the 12<sup>th</sup> row, which colour will be on the left?

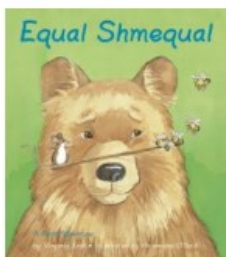


To help your child with maths at home, you could try some of these top tips:

- Use a timer for baking and cooking. Discuss how much time you have left and how much time has already gone.
- When practising times tables, try saying them in different ways to help your child understand what they mean (e.g.  $8 \times 7$  is equal to 56, 7 groups of 8 is equal to 56, 8 lots of 7 is equal to 56)



## Maths book recommendations



Equal Shmequal  
By Virginia Kroll

Explore the meaning of 'equal' with a group of animals desperate to

play tug of war. How can they make their teams equal so that the game is fair?



The Lion's Share  
by Matthew McElligott

During a special dinner, each animal takes half of the remaining cake that

they are passed, leaving barely anything for Ant! The Lion's Share looks at doubling and halving in a fun and engaging way.

# Marvellous Maths facts for everyone!

## Nicola Sturgeon announces resignation as first minister

Nicola Sturgeon has announced she is resigning as Scotland's first minister. She is the longest serving first minister and the first woman to hold the position.

She assumed office on the 20<sup>th</sup> of November 2014.

Up to the date of this newspaper, how many days has Nicola Sturgeon served as First Minister of Scotland?



## Lilt is being scrapped after 50 years on our shelves

Lilt, the refreshing tropical drink, is being axed after almost 50 years.

Coca-Cola, which owns Lilt, has relaunched the refreshing beverage under a new recognisable brand - Fanta.

Fanta is already home to a range of flavours including strawberry, grape, and the holiday classic lemon, not to mention the much loved orange, but it has adopted the flavours of Lilt with a new name - Fanta Pineapple & Grapefruit.

The new Fanta is available in 330 ml cans, 500 ml bottles and two litre bottles, all of which have promised to bring the 'same totally tropical taste' that fans of Lilt already know and love.

How many cans of Fanta Pineapple & Grapefruit would be needed to completely fill a two litre bottle?



## Tesco boosts staff pay by a further 7%

Britain's biggest grocer

Tesco has agreed to increase its workers' wages by 7%, marking their third pay rise in just 10 months.

Staff will receive this pay rise in April, when their pay is set to rise from its current rate of £10.30 per hour.

- Calculate the hourly wage rise
- What will the new hourly pay rate be after this rise?



## Player given fish as Player of the Month award

Alexander Sørloth was awarded a fish after he won Real Sociedad's Player of the Month award for January. This is not the only time an unusual prize has been given to Players of the Month across the world.

Listed below are Player of the Month prizes from different countries.

The answer to each calculation corresponds to a letter of the alphabet, e.g. a = 1, b = 2, c = 3, etc.

How many prizes and countries can you work out?

### Man of the Match awards in various countries

#### Prize

1. A /  $6 \div 3$  \_\_\_\_\_ / of /  $35 \div 5$  \_\_\_\_\_
2. A /  $-1 + 4$  \_\_\_\_\_ / of /  $\sqrt{4}$  \_\_\_\_\_
3. A /  $4^2$  \_\_\_\_\_ / of /  $10 + 9$  \_\_\_\_\_
4.  $\sqrt{\quad}$  / of /  $\frac{1}{2}$  of 32 \_\_\_\_\_

#### Country

- 8 -  $2 \times 3$  \_\_\_\_\_
- 14 -  $(-12)$  \_\_\_\_\_
- $\sqrt{49}$  \_\_\_\_\_
- $38 \div 2$  \_\_\_\_\_ /  $-4 + 5$  \_\_\_\_\_

