



# Maths at Lawley Primary School

*Planting the seeds, growing the future*

*Autumn 2017*



## **Reception and KS1**

In Reception, the children have been recognising and ordering numbers 1-10. Linking with their Dinosaur theme, they have been counting large groups, looking at one more and one less and sequencing. The children have also been looking at shapes and matching them to shapes in the environment.

Children in Year 1 have enjoyed exploring fractions this term. During one lesson, they learnt about halves through a carousel of different activities, including: halving food items, colouring half of a shape and finding half of a group of objects by sharing into two groups.

In Year 2, children have also been busy learning about fractions. They found this topic especially exciting as they had to split a huge chocolate cake into pieces for a party. They then had to complete a challenge, which involved splitting a £1, a cup of juice and a potato, which they found very tricky but managed it in the end!

## **KS2**

In Year 3, the children have been developing a range of written methods for calculating and explored measures by investigating the general statement, 'Everybody's wrist measurement will go into their height measurement 8 or 9 times.' They also had a lot of fun making Roman catapults out of lollipop sticks, which they then used to fire objects across their tables and measure how far they had travelled!

Year 4 have been working extremely hard on their maths this term! The children have enjoyed working with 4 and 5 digit numbers and are currently mastering really efficient written methods. They have explored the properties of triangles and quadrilaterals, and are becoming experts in describing the angles that they can find in beautiful art work as well as the slightly less interesting shapes! We can now plot co-ordinates really successfully as well as crack secret codes with Roman numerals. It's been such a busy term in our maths and we are really proud of the children's achievements.

This term, the children in year 5 have been developing their 'Talk for maths.' They have been providing proof for a range of statements and clearly explaining their thinking during lessons.

Year 6 have been really busy covering a wide range of topics and getting themselves SATs ready. To link in with their World War II topic, the children have looked at rationing and completed a maths activity where they had to work out how many clothing coupons it would cost them to buy their current wardrobe of clothes. They then had to compare that to what they would have been allowed during rationing. It was a bit of a shock to everybody!





## Skoolbo Superstars!

Skoolbo contains thousands of fun activities for many areas of the curriculum and is fantastic for developing Maths fluency. Their Brain Games also help to build logic, spatial awareness and making connection skills.

Don't forget to log on at home to see if you can improve your personal best.  
<https://skoolbo.co.uk>

## Becoming Fluent in Mathematics

### 'Know'vember!'

*Do you know your number facts?*

At Lawley Primary School, we had a big focus on 'knowing' our number facts during November. Children listened to times tables songs, played games, investigated number and some classes were even over-heard chanting facts during assembly! This focus was to help develop our 'Fluency' skills.

One of the three main aims of the new National Curriculum for maths states that pupils will become fluent in the fundamentals of mathematics. To achieve this, pupils must be **efficient** by using strategies that they can carry out easily. They must be **accurate** – accurate in careful recording, knowledge of number facts and other important relationships, and double-checking results. Finally, pupils need to be **flexible**, which requires them to have knowledge of more than one approach to solving a particular kind of problem and choosing the most appropriate strategy for the numbers they're working with.

**For more information about the strategies we teach in each year group, please go to our school website where you can download our calculation policy.**

**If you want to develop your fluency at home then why not try the ideas below, taken from the n-rich website - [nrich.maths.org](http://nrich.maths.org)**

### Lower Primary



If you have ten counters numbered 1 to 10, how many can you put into pairs that add to 10?

Can you use them all?  
Say how you got your answer.

Now put the counters into pairs to make 12.

- Can you use them all?
- Say how you got your answer.

Now put the counters into pairs to make 13.

- Can you use them all?
- Say how you got your answer.

Now put the counters into pairs to make 11.

- Can you use them all?
- Say how you got your answer.

### Upper Primary

Can you fill in the matrix (table square) below?

The numbers 2 -12 were used to generate it with, again, just one number used twice.

|   |    |    |    |    |    |    |
|---|----|----|----|----|----|----|
| X |    |    |    |    |    |    |
|   | 32 |    |    | 40 |    |    |
|   |    |    |    |    | 49 |    |
|   |    |    | 22 |    |    |    |
|   |    | 15 |    |    |    | 27 |
|   |    |    | 24 |    |    |    |
|   |    |    |    |    | 42 |    |

Congratulations to the following children for showing the biggest improvement in their personal best scores this Autumn term!

Reception SD - Ben T  
 Reception MR - Autumn V  
 Yr 1 IW - Rubie A  
 Yr 1 ZP - Lauren F  
 Yr 2 AB - Leighton W  
 Yr 2 VT - Lucy M  
 Yr 3 JOP - Arjun C  
 Yr 3 SE - Grace H  
 Yr 4 CP - Imogen R  
 Yr 4 BJ - Rebecca H  
 Yr 5 MB - Alia P  
 Yr 5 LB - Srihamsini G  
 Yr 6 RJ - Alice S  
 Yr 6 SH - Taylor B



**In the Spring term**, we look forward to our new KS2 maths club, Magical Maths, starting on Thursday 11<sup>th</sup> January, 3:25 – 4:25. The cost for this club is £39 and we are thrilled to have secured two tutors so we have 24 places. There are 3 spaces left so please contact the office if you're interested.

**We hope you have a wonderful Christmas and a very Happy New Year**