

27th April 2020

Dear Families,

Welcome to our Maths week! Our main theme for the week will be:

Numbers Are Everywhere!

The tasks for our maths week are intended for all children, from EYFS up to year 6. However, our younger children might need a bit more support from older siblings or adults. Everyone can work together!



The children will need to use their maths skills of recognising numbers, counting, ordering, comparing and estimating, which has all been covered in school previously. You will find below that there is a main task, an online challenge on Times Tables rockstars for years 1 – 6, then three main groups of suggested tasks. The year groups written alongside are only a guide - just pick the tasks that feel like the right level for your child and one that they will enjoy the most. Additionally there is a 2D and 3D shape maths booklet for extra maths choices with fun activities that can be dipped into whenever they need a little extra to do!

We would love to see what the children get up to and what they discover. We will be joining in as well and sharing our photos!



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TOGETHER WE EMPOWER EXCELLENCE

Our main platforms for sharing photos are on our facebook and twitter pages. However, we now have our new class email addresses to share any photos and activities with the class teachers. We can then post them online for you, please let us know if you don't want them shared online.

Please do take lots of photos and encourage children to record their findings. You can share these with us as the week goes along or bring in examples when we return to school.

Have an amazingly mathematical week and we look forward to seeing and hearing how you get on.

Best wishes,

The ASM Teaching Team

Numbers Are Everywhere!

Maths week main task:

Tasks for everyone:

In our maths lessons, we encourage children to ask, "How does this maths fit with real life"? So we're going to have a week of looking at the maths we use around us. Our question to you is, "How many different ways do we use numbers around the house?"

We challenge you to find all the interesting ways in which we use numbers.

Ideas include: the numbers of pages in a book that you've read, the length of a favourite song, the height of a sunflower as it grows, the number of grams in a packet of pasta and (a lockdown favourite) the number of pieces of toilet paper on a roll. 😊

How many different ways do we use numbers around us? We have tried this around our houses and have come up with over 100 different ideas. Can you beat this?

Your task is to go on a number hunt around your house. See how many different ways you find written numbers, or numbers of objects (we have 6 bowls, 6 plates, 6 sets of cutlery), then can you represent them in a variety of ways. This could be drawn, could be shown as a real life part-part whole model or any other way the children can think of. For our older children, you can also see if you only find whole numbers or can you also find decimals, fractions and percentages too?

How will you present your findings? Could you create a collage using numbers? Could you create an array of objects? Or could you order them in a creative or interesting way?

A special maths week online challenge:

This week, for children in KS1 and KS2 who can get on TT Rockstars, we have set up some special competitions and challenges for you in addition to the ones already pre set. Please note: all of these challenges only use your rock star names, not your real names. If you want to challenge a particular friend, you will need to know their rock star name.

- Firstly, you can simply choose the “Festival” option and play against anyone else who is online (from anywhere round the world).
- This week you can also choose the “Arena” option, which are questions set by your teacher for your class only. Play for one minute against another child in your class to see who is quicker.
- In Rock Slams, you can challenge anyone in school. For this, you need to click on “Multiplayer”, then “Rockslam” and you can set a challenge for someone else to beat.
- Finally, for this week we also have a “Battle of the Bands”, which is a competition between different classes and year groups. You just continue to play any game during the week, as you normally would, but at the end of this week, the group who have earned the most points (or correct answers) will be the winners for the week. Our competitions have been set up between:

Year 1/2 vs year 3/4 (Bradley vs Courtenay)

Year 3/4 vs 5/6 (Courtenay vs Templar)

Additional:

Year 1 vs Year 2, Year 3 vs Year 4, Year 5 vs Year 6

Below are some more ideas for “Maths Around the House”

Set one – simple (EYFS, year 1 or 2)

- **Cooking.** Measure ingredients and set the timer together.
- **Practise counting** up to twenty and then back to one.
- **Find the same amount of different items** to help your child understand what numbers mean. For example, find 3 spoons, 3 hats, or 3 socks.
- **Talk about the shape and size of objects**, e.g. big car, round ball, rectangular box. Ask questions like "pass me the biggest box", or "which is the smallest shoe?"
- **Play with items** like shells, bottle tops, beads, Lego and compare them. Try making patterns.
- **Put items in order.** You could do this by weight, height or size. Ask your child to help you organise items around the house.
- **Make patterns** with objects, colouring pencils, paint or Play-Doh.
- **Build structures** with Duplo, Lego or boxes.
- **Solve problems.** Work out "How many altogether?" and "How many more?" Ask your child questions such as, "We have 3 red apples and 2 green apples, so how many apples do we have altogether?"
- **Play outside.** If you have some chalk, create your own hopscotch to practise counting up and back. This doesn't have to be the traditional 1 – 10 formation. You can make this as long as your outdoor space permits, or start at different numbers e.g. 11 – 20.

Set two – intermediate (year 2 or 3 and 4)

- **Talk about time.** For example, get them to work out what time you need to start cooking to have the dinner ready by 6pm for example.
- **Cooking.** Measure ingredients and set the timer together. Get them to work out how much more food you will need if you had guests for dinner, for example.
- **Talk about the shape and size of objects.** Look online for interesting facts, like tallest or smallest trees, or biggest and smallest buildings etc.
- **When you are sharing food** like pizza or cake, ask your child to help you share it equally between the number of people eating.
- **Collect information** and create a tally chart, for example to find out the family's favourite animal or fruit etc.
- **Make patterns** with objects, colouring pencils, paint or Play-Doh, and build structures with Lego or boxes.

Set three – advanced (year 4, 5 and 6).

- **Cooking.** Measure ingredients and set the timer together. Talk about fractions in cooking, for example ask them how many lots of 250g ($\frac{1}{4}$ of a kg) makes a kg.
- **Talk about proportions** when you make a cup of tea or squash. Ask how much milk or how much water they're using.
- **Look for maths** on TV, newspapers, magazines and talk about it together.
- **Talk about numbers in sport.** How many points does your team win during an average season? How many goals/tries/conversions/points/runs has your team scored this season?
- **Use newspapers.** Talk to your child about percentages in special offers, the probability in the weather reports, the length of TV shows and compare the salaries in the jobs section.
- **Solve maths problems at home.** For example, "We have 3 pizzas cut into quarters, if we eat 10 quarters, how many will be left?"
- **Talk about shape, size and quantity.** Use the internet to find interesting size facts like most and least populated cities, highest mountains or deepest valleys etc.

If you'd still like some more mathematical fun, take a look at:

<https://whiterosemaths.com/homelearning/easter-fun/>

<https://www.bbc.co.uk/cbeebies/shows/numberblocks>

<https://login.mathletics.com/>