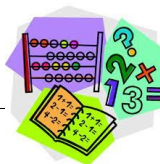




Maths Masterclass

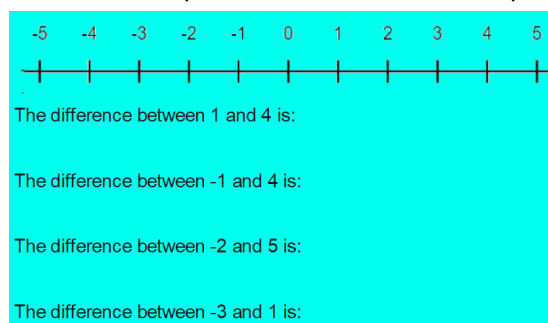
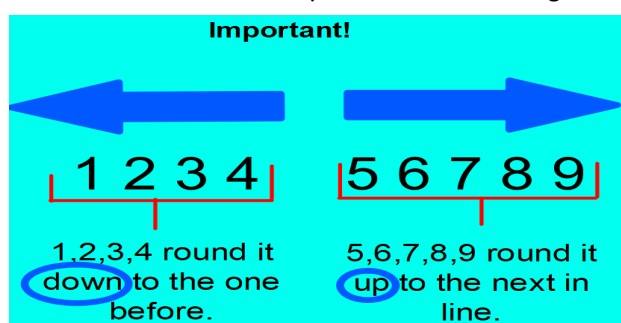


Year 5: Spring 1

We hope you are enjoying our Maths Newsletters and find them useful. This is an opportunity for you to see the strategies we use to teach Maths in the classroom, alongside some online resources and activities for your child to try at home. We hope this helps with supporting your child and celebrating their successes.

Number and place value

At the beginning of this half term, we will be focusing on number and place value. We will first re-cap our learning of negative numbers and interpret how these are used in different contexts. We will then focus on rounding any number up to 1,000,000. We will follow a step-by-step process to do this, starting with rounding smaller numbers, before moving onto numbers nearer a million and decimals! We will also use our place value knowledge from Autumn 1 to help us. Here are some examples:



Addition and subtraction

After place value, we will complete a unit on addition and subtraction. We will begin by applying our rounding knowledge to check answers to addition and subtraction calculations, discussing why we use rounding in different contexts. We are then going to revisit mental addition and subtraction and the strategies we can use to help us. Finally, we will solve some addition and subtraction multi-step problems, deciding which methods to use and why.

Here are a few examples from our lessons:

What different strategies could we use?

20,000 + 14,000

4,380 + 2,510

15,200 + 1,800

28,700 + 12,300

3,790 + 1,440

Let's have a look at this calculation:

$$123 + 886 =$$

Discuss with your partner - what could we round these numbers to?

Think about which one will be easy enough for us to work out the approximate answer but also will get us quite close to the likely actual answer.

Measure

In measure, we are going to convert between different units of metric measure and time. We will need to use the correct equivalencies for this.

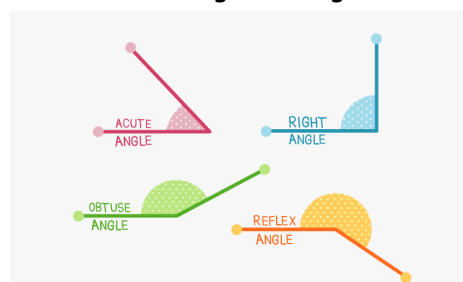
$$10 \text{ millimeters (mm)} = 1 \text{ centimeter (cm)}$$

$$100 \text{ centimeters (cm)} = 1 \text{ meter (m)}$$

$$1000 \text{ meters (m)} = 1 \text{ kilometer (km)}$$

Geometry

In geometry, we are focusing on angles, including comparing acute, obtuse and reflex angles. We will also draw and measure angles in degrees.





Maths at Home



Maths website to support parents and Maths problem solving at home

Nrich has a range of maths games, problems and articles on all areas of maths. Parents can select either 'Stage 1' or 'Stage 2' to support and consolidate mathematical concepts. These usually tie in with the Key Stage of your child.

<https://nrich.maths.org/frontpage>

Each problem has a difficulty rating with 3 stars being the hardest.



Raising the profile of Maths



A good understanding of everyday maths will help your child with the important tasks such as making decisions and understanding information. It will also help them develop lifelong skills. You could play maths related games to help engage your child from home. For example, there are so many 'undercover' maths games that can help your child learn and practise a range of basic skills such as Monopoly, Dominoes, Four in a Row, Scrabble and general card games.



Please try to spend 10-15 minutes practising times tables as often as possible to support fluency. Fast recall of times tables really helps children when they solve problems and do more complex maths!

Homework

Children will be set a weekly homework on the MyMaths site. It can be accessed on tablets, laptops and phones. If your child has difficulty logging in or needs more support, please contact your child's teacher.

