



Maths Masterclass



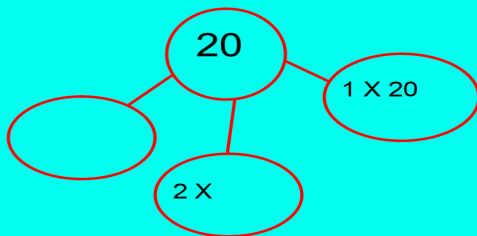
Year 5: Spring 2

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.

Multiplication

At the beginning of this half term, we will be focusing on multiplication. We will first identify multiples and factors, including all factor pairs of a number and common factors of two numbers. Then, we are going to look at prime and composite numbers, establishing whether a number up to 100 is prime and recalling prime numbers up to 19. In the second week, we are going to begin by focusing on square and cube numbers. We will then revisit short multiplication, before going on to long multiplication by multiplying numbers up to 4 digits by a two-digit number.

Factors are generally split into pairs.
We can do this using a factor tree.



Let's shade in all the prime numbers up to 20:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

How do we know they are prime?
Can you spot any patterns?

Decimals

After multiplication, we will complete a unit on decimals. We will begin by reading and writing decimals as fractions. Then, we will recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. We are then going to apply this learning to read, write, order and compare numbers with up to 3 decimal points.

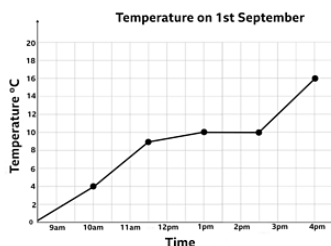
In our second week of decimals, we will first revisit our learning of rounding decimals with 2 decimal points to the nearest whole number and to one decimal place. We will also revisit multiplying and dividing whole numbers and decimals by 10, 100 and 1000, linking it to our Autumn 2 learning. Finally, we will solve problems involving numbers up to 3 decimal points.

$6 \div 10$	H	T	O	Tths	Hths
$5.93 \div 10$					
$13.8 \div 10$					

What do you notice when we divide a number by 10?

Statistics

For statistics, we are going to complete, read and interpret information tables. We are also focusing on solving comparison, sum and difference problems using information presented in a line graph.



Read and Interpret Tables

1. Use the table to answer the questions about musicians and the nights they performed.

- A. Who performed the most in the week?
- B. Which performer takes the weekend off?
- C. Which day saw the most performances?

2. Circle the correct statement.

A. Anderson FlatPack performed on Wednesday.

B. Beytwice performed every other day.

	M	Tu	W	Th	Fr	Sa	Su
Hotstop	✓					✓	
Frilly Eyelash	✓	✓	✓	✓	✓		
Anderson FlatPack					✓	✓	✓
Shed Eeran	✓	✓	✓	✓	✓	✓	
Beytwice		✓		✓		✓	



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.

