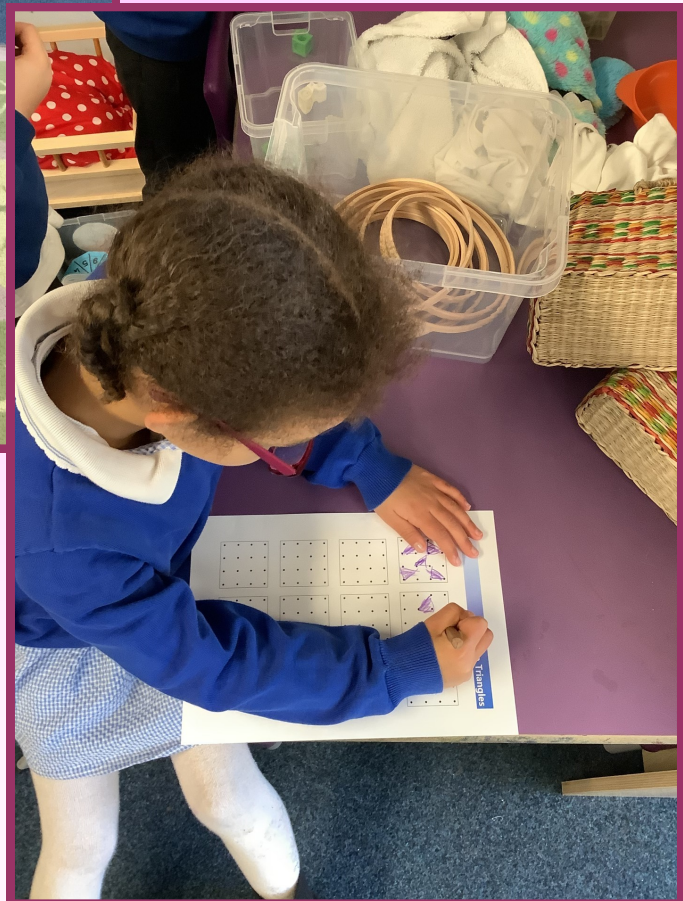


3 is a magic number

Foundation

We found out the magic of three in Foundation. We made triangles in provision using sticks. We learnt that triangles have three sides and three points.

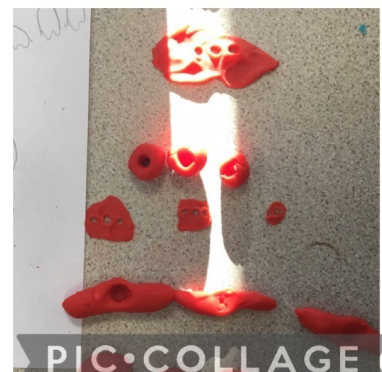
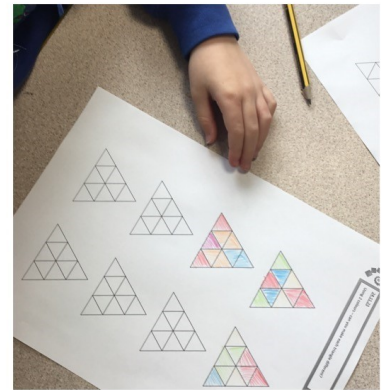
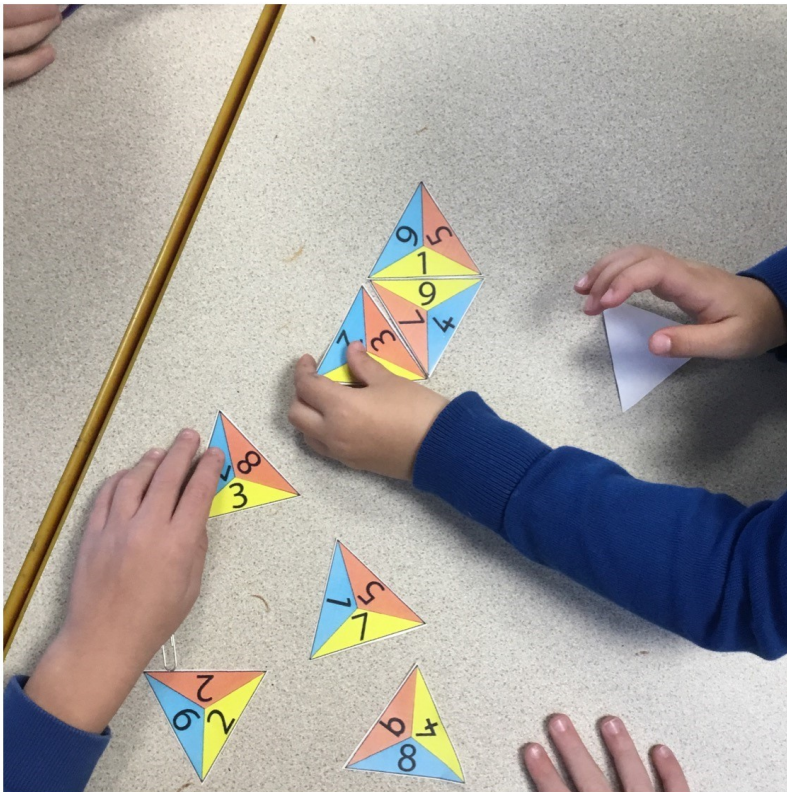
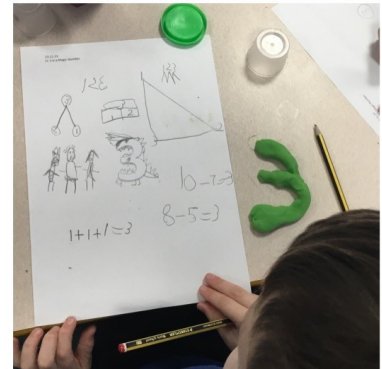
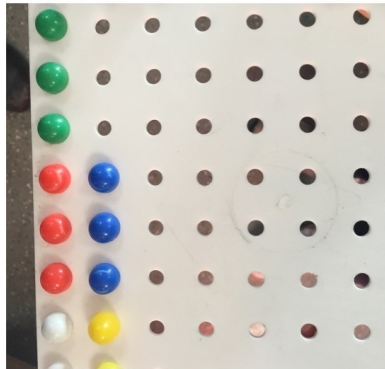


3 is a magic number



This year's Maths Week theme was '3 is a magic number'. We used this theme to grapple with all sorts of activities and investigations that helped the children to understand that there is much more to maths than the National Curriculum alone!

Year 1



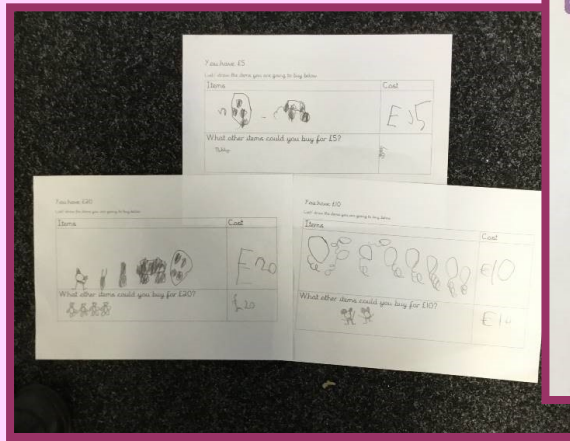
3 is a magic number

Year 2



We read the story 'Ed and Bunny Earn Some Money' by Matt Carr. We thought about how saving money can help us to buy things we really want and need.

Then we worked with a learning partner and decided on what we could buy with different amounts of money.



We celebrated triangles because they are 3-sided shapes. We made different triangles using matchsticks and then explored triangle visualisation.

Visualisation Problems

There are 8 triangles in this shape.

PiXL PRIMARY

3 is a magic number

Year 2

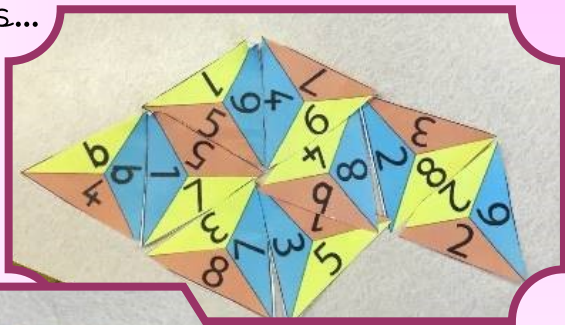
We showed different representations of 3...



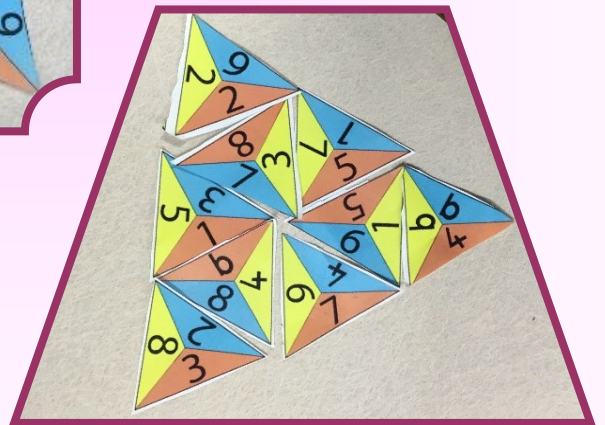
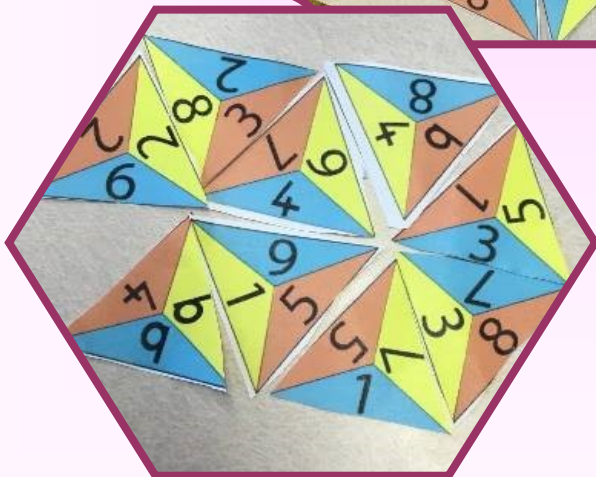
One Big Triangle

The Nrich challenge is to arrange these triangles to make one big triangle, so the numbers that touch add up to 10.

First attempts...



Cracked it!

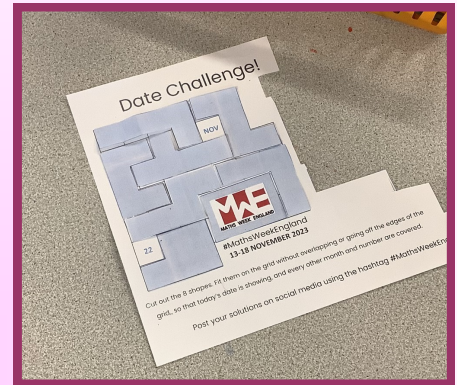


3 is a magic number

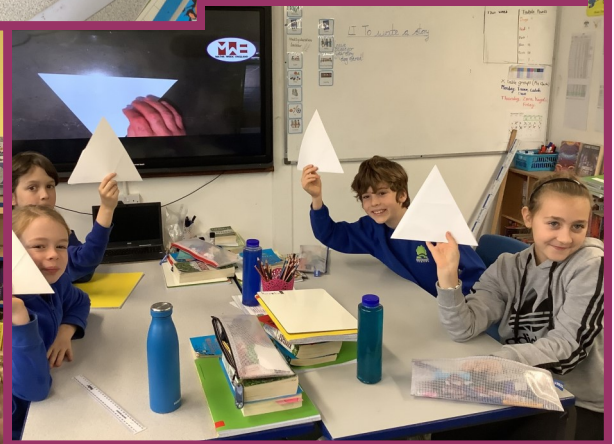
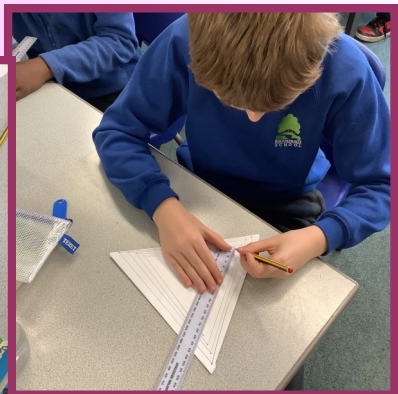
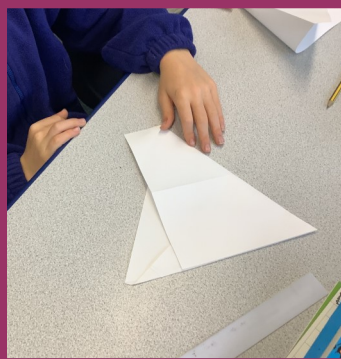
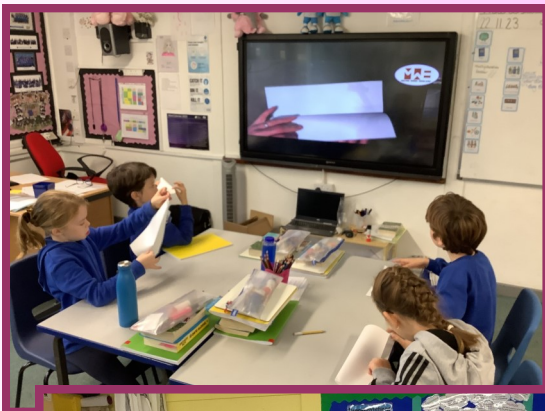
Year 5

In KS2, we took part in a variety of activities.

We started each day by arranging pieces of paper over a calendar so that only the month and that days date was left visible. It was much trickier to complete than we thought!



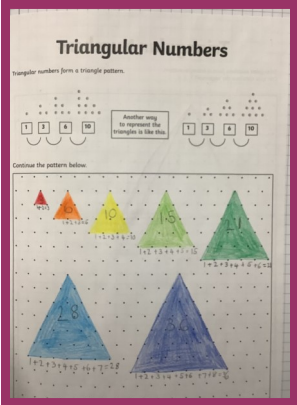
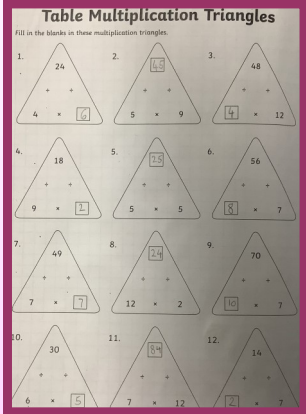
We learnt how to create a perfect equilateral triangle and create an illusion of curved lines when using only straight lines...



3 is a magic number

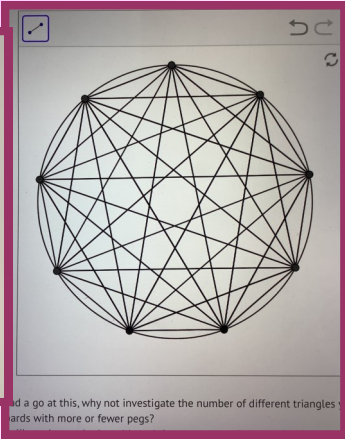
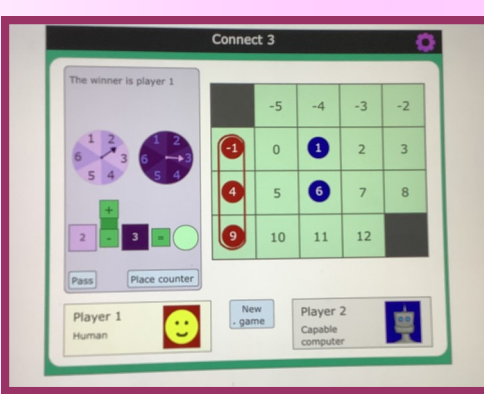
Year 5

We completed multiplication triangles...

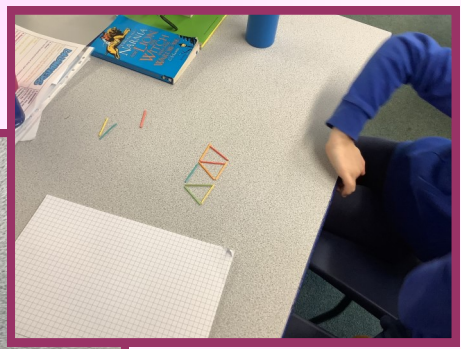
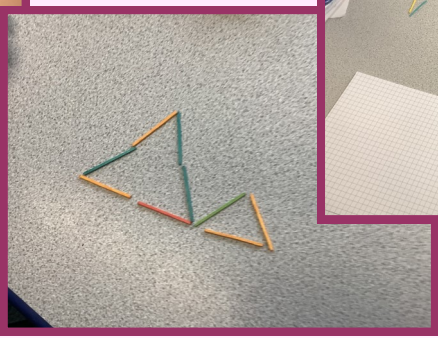
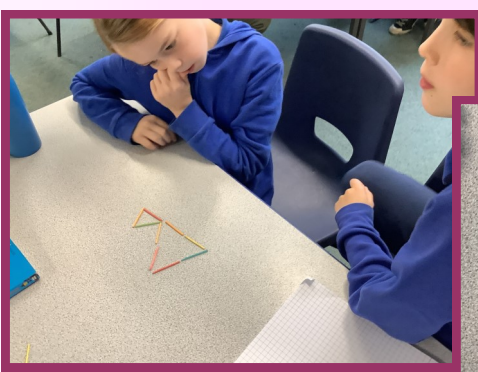


...and explored triangular numbers

We used NRICH puzzles such as 3 Neighbours, Triangular 3's, Nine-Pin Triangles and Connect 3 to explore activities related to 3...

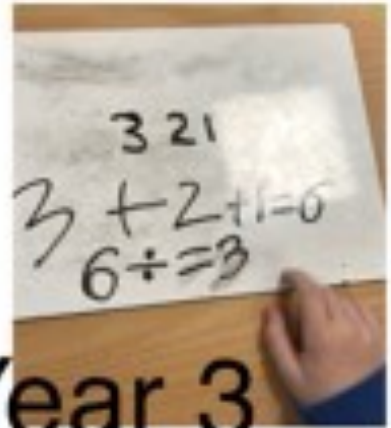


We explored triangular puzzles...

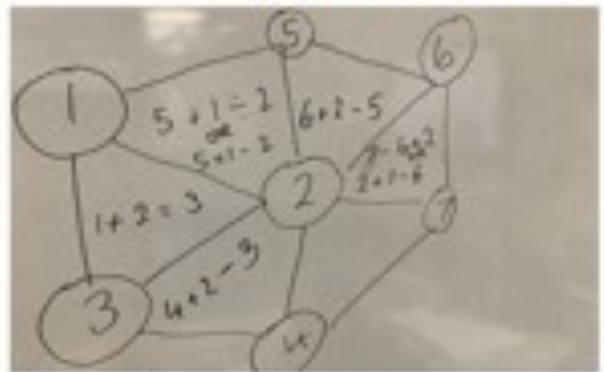


3 is a magic number

Year 3



Year 3



PIC-COLLAGE

3 is a magic number

Year 4

First Connect Three

In this game the winner is the first to complete a row of three, either horizontally, vertically or diagonally.

	-5	-4	-3	-2
-1	0	1	2	3
4	5	6	7	8
9	10	11	12	

Roll two 1-6 dice and decide whether you want to add or subtract to produce a total shown on the board. Your total will then be covered with a counter.

You cannot cover a number which has already been covered. If you are unable to find a total which has not been covered you must Pass.

Are there some numbers that we should be aiming for? Why?
Which number on the grid is the easiest to get? Why?
Which number is the most difficult to get? Why?

Can you order the digits 1, 2, 3 and 4 to make a number which is divisible by 4?
And when the final digit is removed it becomes a three-digit number which is divisible by 3.
And when the final digit is removed again it becomes a two-digit number divisible by 2.
And finally a one-digit number divisible by 1?

Can you order the digits 1, 2, 3, 4 and 5 to make a number which is divisible by 5?
And when the final digit is removed it becomes a four-digit number which is divisible by 4.
And when the final digit is removed it becomes a three-digit number which is divisible by 3.
And when the final digit is removed again it becomes a two-digit number divisible by 2.
And finally a one-digit number divisible by 1?

What systems are you using?
What do you know about numbers which can be divided by 3, 4, 5?



- $$\begin{array}{r} 8 \\ + \\ 2 \times 4 \end{array}$$
- $$\begin{array}{r} 40 \\ \div \\ 5 \times 8 \end{array}$$
- $$\begin{array}{r} 70 \\ + \\ 10 \times 7 \end{array}$$
- $$\begin{array}{r} 55 \\ + \\ 5 \times 11 \end{array}$$
- $$\begin{array}{r} 24 \\ \div \\ 2 \times 12 \end{array}$$
- $$\begin{array}{r} 50 \\ \div \\ 5 \times 10 \end{array}$$
- $$\begin{array}{r} 80 \\ \div \\ 10 \times 8 \end{array}$$
- $$\begin{array}{r} 12 \\ \div \\ 2 \times 6 \end{array}$$
- $$\begin{array}{r} 20 \\ \div \\ 5 \times 4 \end{array}$$
- $$10$$
- $$\begin{array}{r} 16 \\ \div \\ 2 \times 8 \end{array}$$
- $$\begin{array}{r} 60 \\ \div \\ 3 \times 20 \end{array}$$



1: $(5 + 1) + 2$

2: $3 \times (2 - 1)$

3: $4 + 2 - 3$

1/3
of financial knowledge
about money called 'Not a Fairy' things the characters learnt.
we want things but don't
for charity
for what you have
very wisely
work hard to earn money

PIC-COLLAGE

3 is a magic number

Year 6

CHANGE THE WORLD THROUGH YOUR CHOICES

Change the world through your choices
Fairtrade Schools

CHANGE THE WORLD THROUGH YOUR CHOICES

Maths Week
20th-24th November

3

...is the magic number!

You choose to take your old clothes to a charity shop instead of putting them in the rubbish bin.

Your choice has saved your clothes from ending up in a landfill. Landfills produce toxic gases that cause climate change. Your choice has also made a charity shopper very happy!

One choice our school can make to make a positive change in the world is use fairtrade fruit for KS1.

One choice our class can make to make a positive change in the world is waste less resources.

One choice I can make to make a positive change in the world is buying fair trade products!

$2 \frac{1}{2} \times \frac{1}{2}$ 1×3

Hard letter of field C Swings in Cinderella
3 clover tricycle
Dorothy's belt 3 nose men
March 3 headed dog
3 types problems 3 stars
3rd line 3 wishes
3 sides triangle 3 snap crackle pop
3 little pigs
308 - 10 9 for square root

Triangular Numbers Triangular Numbers

308 - 10 9 for square root

308 - 10 9 for square root



Primary Maths Challenge

10 children from Year 6 and 10 from Year 5, each competed within their year group, in a maths competition. They had 45 minutes to answer 25 multiple choice questions. They involved a lot of reasoning and problem solving! All of the children that took part, did so with enthusiasm and vigour!



Primary Maths Challenge

Here were our winners...

Year 5



Silver
Thomas Berry



Gold
Emily Dempsey



Bronze
Peter Hall
Jack Davison

Year 6



Silver
Anisha Sahu
Leela Blythe
Alice Kirk-Wilson



Gold
Jessica Blythe



Bronze
Amelia Ranete
Lucy Hignett
Roop Sangha

Some of our competitors may be offered the chance to compete in a bonus round later in the academic year. We'll keep you posted!

Well done to all of the children involved.