



Kingfisher Class

Another half term done- that was a quick one! The class have been working hard as always and building on their previous learning from earlier in the year. With exciting trips in the future including today's one to TNAG for gymnastics it is a busy time in year 6! Enjoy reading about our learning and have a restful half-term.

Maths

The whole class have been working so hard on retrieval this half term and starting each day with a retrieval grid. This has allowed us to revisit previous topics and use our sticky knowledge in Maths. The children have enjoyed recapping topics such as time, shape, angles and coordinates. Here is an example below:

Find the equivalent. $\frac{4}{20} = \frac{?}{5}$	$14 \overline{)2,177}$	$\frac{8}{25} \div 12$	How many metres is 1329cm?	What time is it?
$500.07 - 325.18$	$\frac{12}{20} - \frac{5}{60}$	What are the missing angles? 	20% of 1600	 How many more children voted honey bites than golden corn?

The class have enjoyed the challenge of our weekly arithmetic tests and been keeping track of their progress on individual line graphs. We have focused on making progress each week and showing school values such as 'SELF-BELIEF' when approaching tricky questions.

Please have a look at our amazing Maths journaling from this half term. The class seems to love getting the chance to express all of their Maths knowledge at the moment:

Maths Journal

1) A box of 5 oranges cost £1.80
How much do 80 oranges cost? Show your method.
£28.80

2) Jane reads a book.
On Monday she reads 26 pages.
On Tuesday she reads $\frac{1}{4}$ of the remaining pages.
On Wednesday she reads the final 36 pages.
How many pages are in the book? 86

Explanation:
A box of 5 oranges is £1.80.
80 oranges is 16 boxes (80 ÷ 5)
£1.80 multiplied by 16 must be the cost of the 80 oranges.
Here's how you could work it out:

1.80
x 16

10.80
+ 18.00

28.80

→ Multiply 1.80 by 6 first.
0.8 x 6 = 4.8
1 x 6 = 6
Then multiply it by 10 - remember that when you multiply by 10 you move all the digits one place to the right!

Then add both of your products together (Remember to put the decimal sign before the 1).

1) 5 x 16 = 80
£1.80 x 16 = ? (cost of 80 oranges)
You need 16 boxes to get 80 oranges.
£1.80 £0.80
x 16 + £18.00

£10.80 = £28.80

2) Monday = 26
Tuesday = $\frac{1}{4}$ of remaining pages (24 pages)
Wednesday = 36 pages (the rest of remaining pages - the 5)
↓
 $\frac{24}{4} = 6$
6 + 36 = 42
42 + 26 = 68
68 + 18 = 86

Adding & Subtracting MIXED NUMBERS

Adding Mixed numbers: $1\frac{1}{2} + 2\frac{1}{4}$

Step 1. partition and model whole numbers.
 $1 + 2 = 3$

Step 2. check and change denominators.
 $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$

Step 3. add the fractions together.
 $1\frac{2}{4} + 2\frac{1}{4} = 3\frac{3}{4}$

Step 4. whole numbers answer + fractions answer = final answer. $3 + \frac{3}{4} = 3\frac{3}{4}$

Maths Journal

1) A box of 5 oranges cost £1.80
How much do 80 oranges cost? Show your method.
£28.80

2) Jane reads a book.
On Monday she reads 26 pages.
On Tuesday she reads $\frac{1}{4}$ of the remaining pages.
On Wednesday she reads the final 36 pages.
How many pages are in the book?
86

1) $5 \times 1.80 = 9.00$
 $5 \times 16 = 80$
 $16 \times 1.80 = 28.80$

2) So first you have got to work out how many boxes there are in groups of 5 and you times by 16.

3) So secondly you have got to times the price of 1.80 times 16 then find the amount of all products together.

1.80
x 16

10.80
+ 18.00

28.80

4) £28.80

working out

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

£28.80

How many ways?

$\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$ All three fractions are proper fractions

Level 1: I can find a way
Level 2: I can find different ways
Level 3: I know how many ways there are

How many ways?

$\frac{1}{4} \times \frac{3}{4} = 3\frac{3}{4}$

Level 1: I can find a way
Level 2: I can find different ways
Level 3: I know how many ways there are

Explain

because the bits that is shaded is $\frac{1}{4}$ and if you split it into 3 it is $\frac{3}{4}$

Explain how this picture shows
 $\frac{1}{4} \times \frac{3}{4} = \frac{3}{16}$

As part of the Year 6 design technology curriculum, the children have to design, make and program a WeDo lego model using the Chromebooks. After a few focused practical tasks, they were given the challenge of solving a problem linked to extreme hazardous weather conditions in North America. Each group then designed and made a vehicle that could be used to, for example, drop supplies to stranded residents; air lift people to safety or put out wildfires. They then worked together to code their models so that they could be controlled using Bluetooth signal. The children have loved using the WeDo lego and every Monday & Tuesday afternoon, the classroom has been a buzzing hive of excitement as they have successfully programmed their creations, making them do all kinds of movements and sounds.



Science

The children completed their unit on light this half-term. They learnt about reflection, how we see things and the human eye. They also conducted mini experiments to see what they could find out about refraction and had a go at trying to prove that white light is made up of the colours of the rainbow.



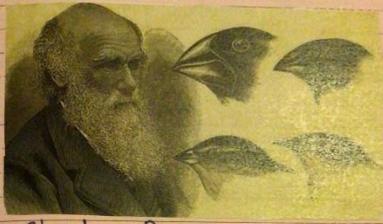
The picture shows a group exploring what happens when you draw an arrow pointing one way and they place it behind a glass of water to see it change direction before their very eyes. Isn't Science fascinating?! Great learning fun was had by all.

English

This half term, the whole class has been reading a range of texts in whole class reading, which has resulted in Miss Carr purchasing more books to feed the children's enthusiasm!

In writing lessons, the children have been investigating spelling rules and patterns; learning about the use of a range of grammar conventions; exploring complex punctuation and completing two pieces of writing - A news article and a biography of a scientist.

Tuesday 8th February 2022



Charles Darwin

Charles Darwin was a famous scientist who was remembered for his theory of evolution.

Early life

In 1809, Charles Robert Darwin was born on 12th February. His Mum was a physician and His Dad (Robert Darwin) was a doctor. 8 years later, Darwins Mother died and he was sent to boarding school. He did not like school and described it as "Narrow and classical."

University

As he grew ~~and~~ older, he spent the summer as a doctors apprentice and joined the university of Edinburgh in October 1825. He did not enjoy Medical school and neglected most of his studies but always done science. He left Edinburgh without a degree and went to take studies at Cambridge. Shortly afterwards, Charles ~~took~~ a BA exam and is astonished that he ranked 10th out of 178.

Galapagos islands

Shortly afterwards, Darwin sets sail on the Beagle. He went to the Galapagos islands and spent 5 weeks where his theory of evolution came into mind.

Family

After the trip to the Galapagos islands, Darwin married his cousin Emma Wedgwood and soon after they have their first child Charles and Emma had ten children but only seven survived. 3 years passed, before the Darwin family moved to Kent.

Work

Darwin set out his theory of evolution but it did not get published. While that happened, Charles received a letter from Alfred Russel Wallace outlining his own ideas of evolution. He wrote a book of volcanic islands and when it was published it sold out in a couple days.

Achievements

Darwin became a fellow of the royal society, won a Copley Medal, a Wollaston Medal and a Royal Medal.

Death

After a heart attack on Christmas, Darwin died several months later on April 19th 1882.

Darwins theory of evolution is what made his famous. His theory has been remembered for years and more years to come.

Geography-A Road trip around the USA!

As part of our work in geography this half term we have been studying North America and specifically the country of USA. The children have enjoyed mapping out all 23 countries and were amazed at just how many were made up of Caribbean islands. Using atlases and online resources we have been able to get an understanding as to the sheer scale of the USA compared with the United Kingdom where we live. Did you know the UK would fit inside Texas alone 2.8 times!

We have been focusing on the population density and how it is distributed over all the different States. Please have a look at some of our fantastic work:

Can you label each of the 23 countries of North America? All the names are in the box at the bottom!