

Maths activities Year 4 Week beginning 22/06/20

As well as these you can also do the daily activities in Purple Mash, practise your times tables on TT Rockstars and complete daily lessons on MyMaths.

| <u>Monday 22nd</u> | <u>Challenge activities</u> |
|--|--|
| <p>Maths: Adding/ subtracting. Use column addition to work out these equations, remember your place value:</p> <p>$58 + 234$ $101 + 99$ $352 + 869$ $1,067 + 76$ $6,132 + 2,989$</p> <p>Use column subtraction to work out these equations, remember your place value:</p> <p>$81 - 39$ $123 - 67$ $521 - 178$ $1,465 - 999$ $9,523 - 7,634$</p> | <p>We have used a number line method to work out subtraction equations E.g.</p> <div><p>A handwritten number line for the subtraction $546 - 278 = ?$. The number line starts at 278 and has jumps to 290 (labeled 2), 300 (labeled 20), 500 (labeled 200), and finally 546 (labeled 46).</p></div> <div><p>A printed number line for the subtraction $82 - 49 =$. The number line starts at 49 and has jumps to 50 (labeled +1), 80 (labeled +30), and 82 (labeled +2). Below the line, the calculation $1 + 30 + 2 = 33$ is shown.</p></div> <div><p>A printed number line for the subtraction $82 - 49 =$. The number line starts at 49 and has jumps to 59 (labeled +10), 69 (labeled +10), 79 (labeled +10), and 82 (labeled +3). Below the line, the calculation $10 + 10 + 10 + 3 = 33$ is shown.</p></div> <p>Draw a number line, and work out these equations, can you find different ways to 'jump' for each equation?</p> <p>PurpleMash- search for the game 'bond bubbles'- play A first to practise and try and step up. Can you challenge yourself on C?</p> |

Tuesday 23rd

Maths: Graphs.

The premier league has returned, these are the top scorers and how many goals they have scored so far before it restarted:

Jamie Vardy- 19

Pierre-Emerick Aubameyang- 17

Sergio Aguero- 16

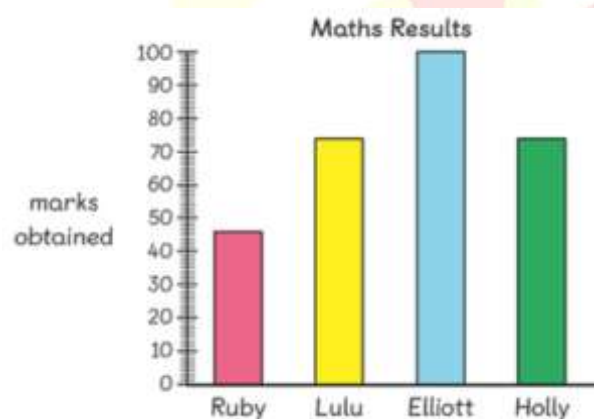
Mohamed Salah- 16

Danny Ings- 15

Sadio Mane- 14

Draw a colourful bar graph to show this data.

Remember your title and labels.



Challenge activities

For an extension I would like you to go to BBC Sport and find Leicester City's last five fixture results.

<https://www.bbc.co.uk/sport/football/teams/leicester-city/scores-fixtures/2020-03>

Can you plot a line graph showing how many goals Leicester scored in those past five fixtures?

Who did they score the most goals against?

This article will be able to help you.

<https://www.bbc.co.uk/bitesize/articles/zsrgp4j>

PurpleMash- search for '2Graph' to create these graphs in PurpleMash for Mr Naylor or Mrs Adam to look at.

Email Mr Naylor or Mrs Adam if you have any questions or want to send us work.

Mr Naylor: 4k@sparkenhoe.leicester.sch.uk Mrs Adam: 4s@sparkenhoe.leicester.sch.uk

Wednesday 24th

Challenge activities

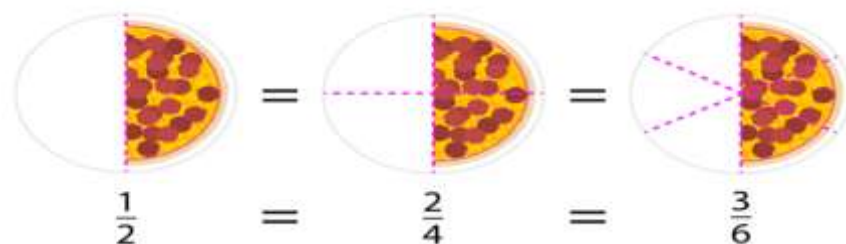
Maths: Fractions.

Sharing pizza

You can see that there is the same amount of pizza on each of these plates:

$\frac{1}{2}$, and $\frac{2}{4}$, and $\frac{3}{6}$, are equivalent fractions.

Equivalent fractions have the same value, even though they are written differently.



Remember whatever you do to the denominator (bottom), you do to the numerator (top).

Can you find the equivalent fractions for these?

$$\frac{1}{3} = \frac{?}{9}$$

$$\frac{2}{4} = \frac{6}{?}$$

$$\frac{2}{6} = \frac{?}{36}$$

$$\frac{6}{7} = \frac{?}{49}$$

$$\frac{5}{9} = \frac{55}{?}$$

Click on the following link. It leads to some interactive challenges around adding fractions including a short lesson video:

<https://www.bbc.co.uk/bitesize/articles/zmhr92p>

PurpleMash- Have a go at 'Fractonio's pizzeria'. Practise your fractions by serving different pizzas inside a restaurant!

Thursday 25th

Challenge activities

Maths: Airport departures.



| TIME | DESTINATION | FLIGHT |
|-------|-------------|---------|
| 11:30 | BERLIN | TU 4709 |
| 12:45 | KIEV | UA 6385 |
| 14:10 | HONG KONG | JP 8290 |
| 15:20 | DAKAR | WP 5098 |
| 15:50 | NAIROBI | NF 087 |
| 16:30 | NEW YORK | CA 2556 |
| 17:05 | ROME | ZQ 1047 |
| 18:00 | PARIS | PE 4823 |
| 18:05 | CHICAGO | CX 1302 |
| 19:20 | AUCKLAND | OA 4161 |
| 20:10 | CAPE TOWN | QJ 4161 |

Can you tell me what time the flight to Hong Kong departs in a 12hr format? (remember am and pm)

My ticket says I am flying at 3:20 pm. Which flight am I getting?

I am flying to Rome. I arrive at the airport at 3:05 pm. How long do I have to wait for my flight?

What is the difference in time between the earliest and the latest flights?

Investigate Heathrow Airport's departure board.

Can you find any flights which are leaving between 6pm and 7pm?

<https://www.heathrow.com/departures>

There should be quite a few, so list 5 which you can find or with the most interesting city!

MyMaths- 'Time 1' set activity.

Friday 26th

Challenge activities

Maths: Maths problems.

Can you work out the following three problems?

Can you work out the values of each shape?

$$\star + \star = 20$$

$$\heartsuit - \star = 7$$

$$\heartsuit - \heartsuit = \blacktriangle$$

George is thinking of a 2 digit number.



My number is in
the 5 times table.

My number is
less than 80



The sum of the
digits is 9

Can you come up with some of your own maths based problems?
Save these onto J2e and PurpleMash so Mr Naylor and Mrs
Adam can give it a go.

MyMaths- '12 times table OW' set activity.

Tom has six 10p coins and three 5p coins. He buys an apple for 59p and two pencils.

He has no money left. How much does a pencil cost?



Access any other apps and websites you feel are appropriate for your child.