## $\underline{\text { Lewis Class }}$

## Year 3 Maths (week beginning 08.06.20)

Here are some links to websites that have videos to support your child's learning in Maths. If you are struggling to find time to sit down with them, they could watch and make notes independently. These are not necessarily linked to the current topic but are still useful tools for learning. They can also be used as additional learning if needed.
https://www.bbc.co.uk/bitesize/subjects/z826n39
https://www.thenational.academy/online-classroom/year-3/maths\#subjects

Practise multiplication and division: https://whiterosemaths.com/homelearning/year-3/ (week 4)

## Statistics

## Task 1

- Pictograms

A pictogram is a chart that uses pictures to represent data. The pictures are used as symbols which have a value. Remember to look for what each picture (symbol) is worth and if there is half of a picture, you need to halve the value.

Here is an example:


The key in this pictogram tells us that one picture of a book is worth 5 books. They have used a book as the symbol because the data is about the amount of books read in each class. Once you know what each symbol is worth, you can work out how many books each class has read. You can also easily see which class has read the most books and which class has read the least books.

Watch this video about understanding pictograms https://www.bbc.co.uk/programmes/p017ksvf
Have a go at answering these questions about this pictogram:

1. How many books had class 2 read?
2. Which class has read the most amount of books?
3. Which class has read the least amount of books?
4. How many more books did class 4 read than class 2?

Are there any other questions that could be asked about this pictogram?

## Class 3 are counting the colour of cars that pass the school.

| Red | Blue | Black | Silver | White | Other |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 | 6 | 14 | 10 | 14 | 2 |

Draw a pictogram to represent their findings.

- Consider what symbol you are going to use for the key
- Consider what your symbol will be worth

Now write 3 questions that could be asked about your pictogram.

## Task 2

- Bar Charts

A bar chart is a way of displaying information (data) by using rectangular bars of different heights. A bar chart has vertical axis with numbers on it, and a horizontal axis showing values of something that has been investigated.

Here is an example:


This bar chart shows how many children attend after school clubs. You will notice that here is a bar for each day of the week. Each bar stops somewhere along the vertical axis which tells you the number of children that attended after school clubs.

Watch this video on understanding bar charts https://plprimarystars.com/resources/handling-data-in-football\#m-resource-1032-link

Have a go at answering these questions about this bar chart:

1. How many children attended after school clubs on Thursday?
2. How many children attended after school clubs on Monday and Tuesday?
3. Which day did the least amount of children attend after school clubs?
4. Which day did the most about of children attend after school clubs?

Are there any other questions you could ask about this bar chart?

Watch this video on how to create a bar chart https://www.youtube.com/watch?v=oYXmY5axC2|
Here is a tally chart showing the number of children in each sports club.
Draw a bar chart to represent the data.

| Spoon | taty | Total |
| :---: | :---: | :---: |
| Footben | HHT HHT HH | 15 |
| Tems | HHT HHT IIII |  |
| novor | HHT HHT HHY III |  |
| Cricen | HHT HHT II |  |
| Easkebur | HHT III |  |

- Consider the scale you will use (the numbers on the vertical axis), you might choose to go up in intervals of 1,2,5 or 10
- Ensure the bars are equally spaced and are NOT touching


## Task 3

- Tables

Tables are another way of organising data/information that has been collected.
You will need to use your knowledge of addition and subtraction to answer questions accurately and come up with some of your own questions about tables as well.

The table shows which sports children play.

|  | Whitney | Jack | Eva | Mo | Teddy | Annie |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Football | $\checkmark$ |  | $\checkmark$ | $\checkmark$ |  | $\checkmark$ |
| Rugby |  |  | $\checkmark$ |  | $\checkmark$ |  |
| Tennis | $\checkmark$ | $\checkmark$ |  | $\checkmark$ |  | $\checkmark$ |
| Cricket |  |  | $\checkmark$ |  | $\checkmark$ |  |
| Basketball |  | $\sqrt{ }$ | $\checkmark$ | $\checkmark$ |  | $\checkmark$ |

Use the information in this table to answer these questions:

1. How many children play tennis?
2. Which sports does Mo play?
3. Which children play football and tennis?
4. Which child plays the most sport?

What other questions could you ask about the information in this table?
Collect information the sports that the people in your household like to play.
Task 4

- Watch these clips about tables, graphs and charts: https://www.bbc.co.uk/bitesize/topics/z7rcwmn/resources/1

Create a poster/ information sheet about pictograms, bar charts and tables to consolidate your understanding.

## Task 5

- Reasoning and problem solving

Whitney and Teddy are making pictograms to show how many chocolate eggs each class won at the school fair.


What's the same and what's different about their pictograms? Whose pictogram do you prefer and why?

Which would be more suitable to represent this information, a bar chart or a pictogram?
Explain why.

| Child | Number of Skips in <br> 30 Seconds |
| :---: | :---: |
| Teddy | 12 |
| Annie | 15 |
| Whitney | 17 |
| Ron | 8 |

Eva has created a table to show how many boys and girls took part in after school clubs last week.

| Day | Boys | Girls |
| :---: | :---: | :---: |
| Monday | 11 | 9 |
| Tuesday | 18 | 12 |
| Wednesday | 13 | 11 |
| Thursday | 8 | 8 |
| Friday | 9 | 7 |

Eva says,


Is Eva correct?

Explain why.

## Throughout the week - practise multiplication tables:

You could:

- Focus on whichever one you find difficult to remember and write out in a random order to improve your rapid recall.
- Play on Hit the Button - focus on number bonds, halves, doubles and times tables -
https://www.topmarks.co.uk/maths-games/hit-the-button
Do a multiplication dance - https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4

