Maths skills and Support Pack
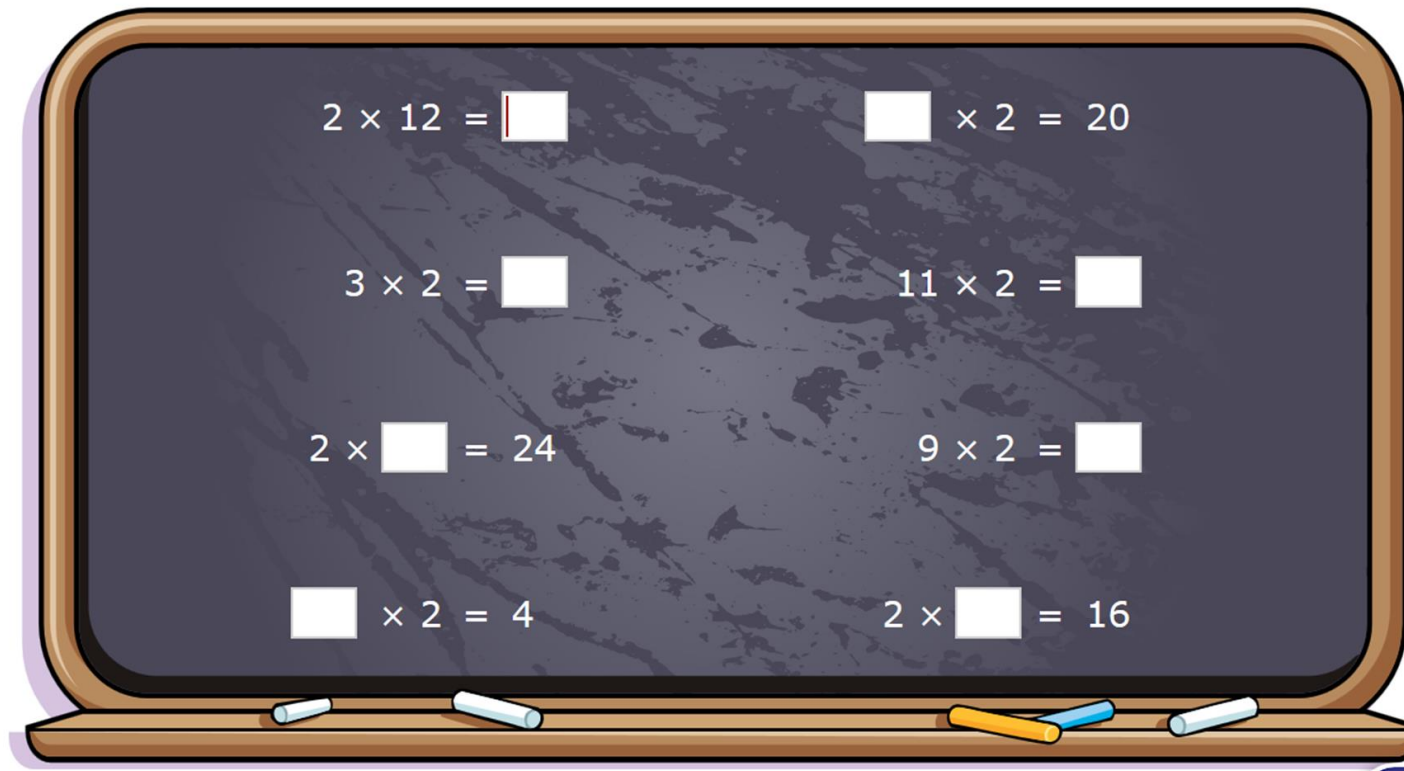
Week beginning 13.07.20

"Do whatever He tells you"
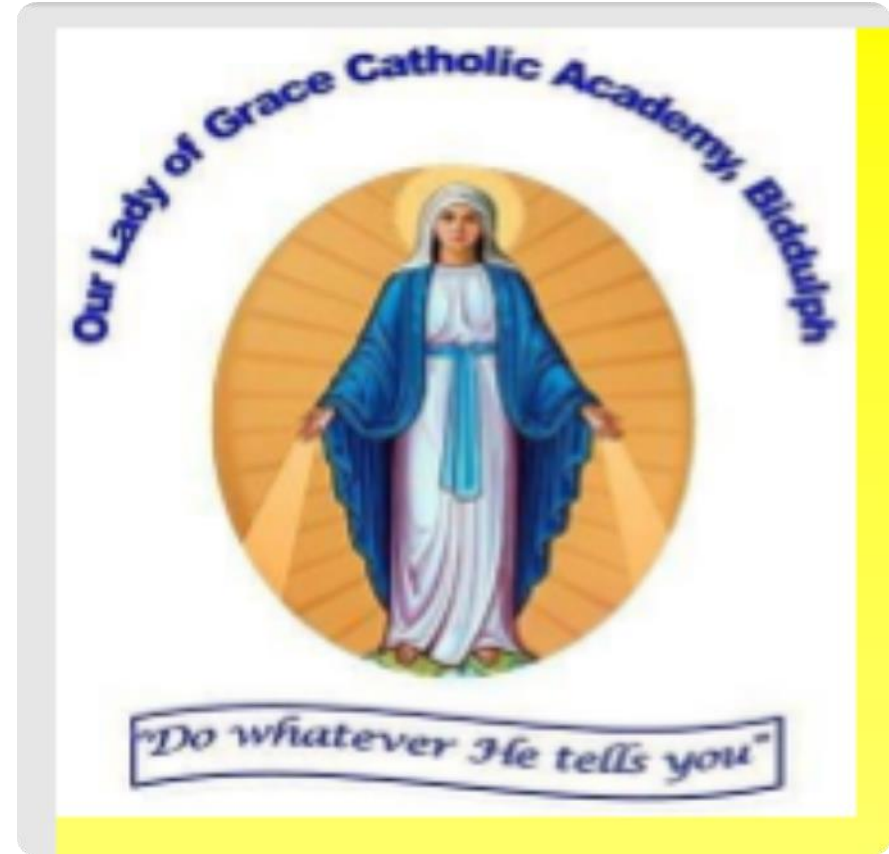
My Maths Home Learning.

There are three different activities this week which all focus on times tables:

- X2 including inverse and missing number
- X5 including inverse and missing number
- X10 including inverse and missing number

These questions are all multiplications.
To complete these examples remember to use the opposite operation, which is divide when the missing number is in-front of the =
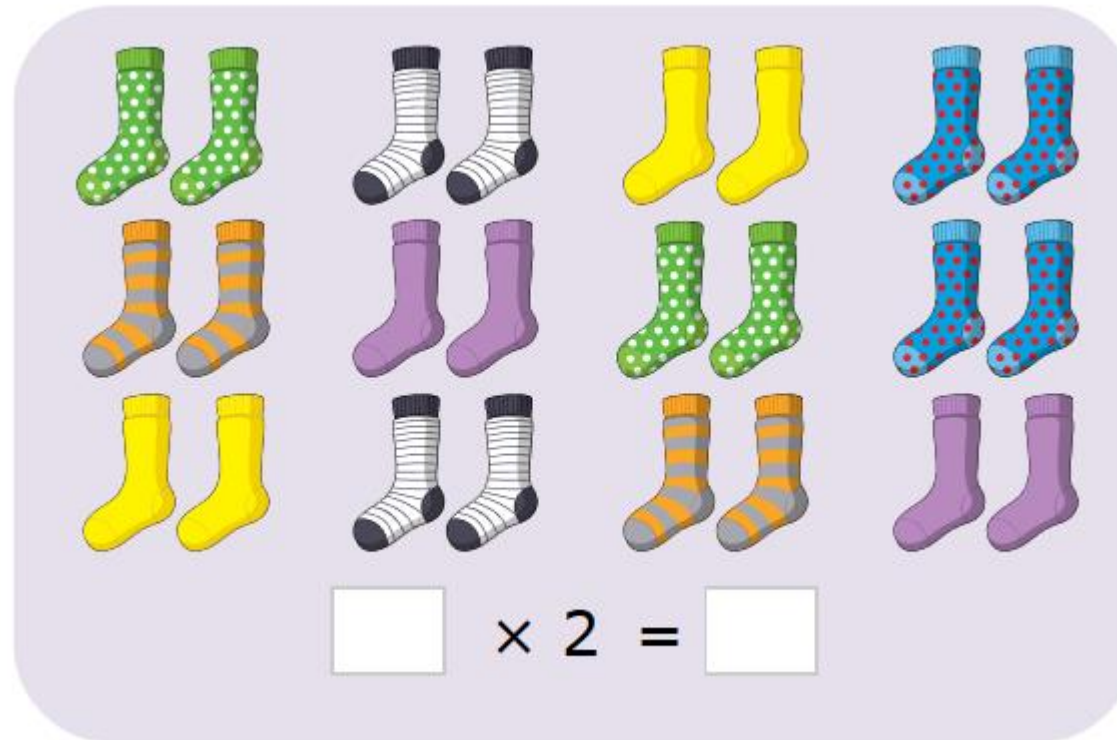
$2 \times 12 = \boxed{}$ $\boxed{} \times 2 = 20$

$3 \times 2 = \boxed{}$ $11 \times 2 = \boxed{}$

$2 \times \boxed{} = 24$ $9 \times 2 = \boxed{}$

$\boxed{} \times 2 = 4$ $2 \times \boxed{} = 16$

To find the answer to
___ x 2= 20

Remember to divide 20 by 2

Multiplication: Sets of or lots of

To solve this question remind the children to use their knowledge of X2 tables.

□ × 2 = □

In this question there are two numbers missing.
The first box refers to how
many pairs of socks there are and the box after the equals is how many
socks there are altogether.

There are 12 pairs (sets of) of socks
12 lots of 2 is 12 and it can be written like this   12x2=24

Drag the correct symbol into place to complete each calculation.   ÷   ×

12   ?   2 = 24

For the next set of questions the children need to decide if they need to multiply or divide.

10   ?   2 = 5

Remind the children that if the number is bigger after the equals then the operation will be a multiplication. If the number that is after the equals is smaller then it will be a division.

X5 Tables

6 × 5 = ☐

6 × 5 = ☐

Odd and even

- Remember that odd numbers always end in

$$1 \quad 3 \quad 5 \quad 7 \quad 9$$

13   57   91   73   15   27   85   63   23

- Even numbers always end in

$$0 \quad 2 \quad 4 \quad 6 \quad 8$$

22   68   88   42   62   22   76   34   90

Additional Activities
Data Handling

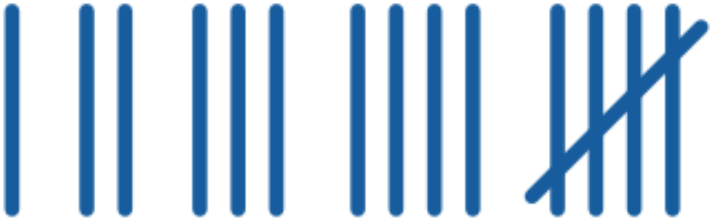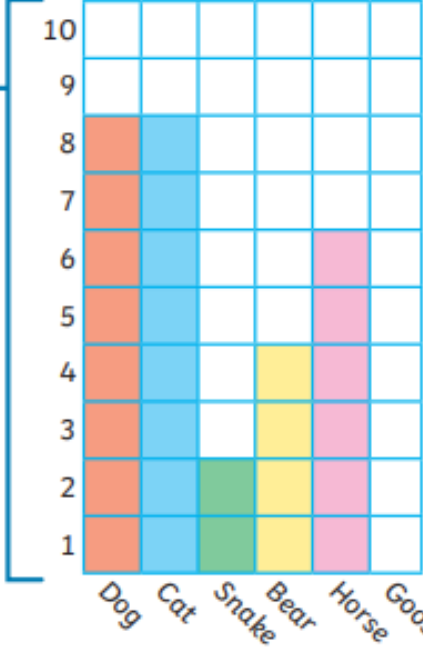This week we will be looking at data in all of its different forms and we will be looking at different ways that it can be organised.

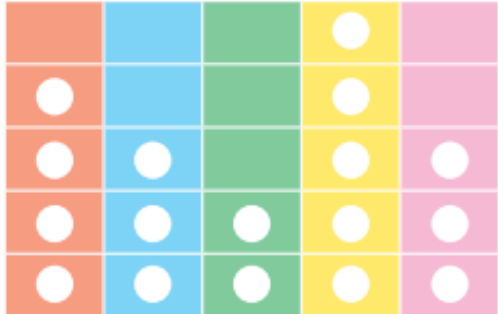## What is Data?

Data is Information,
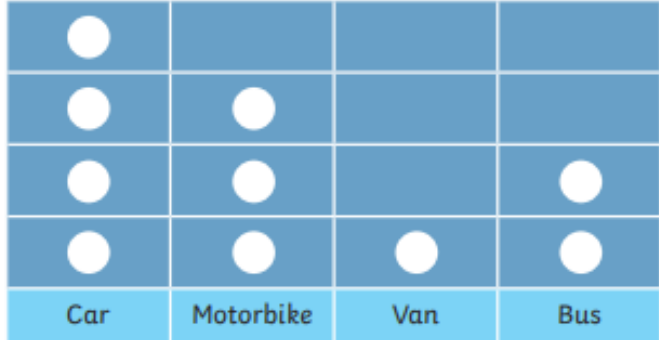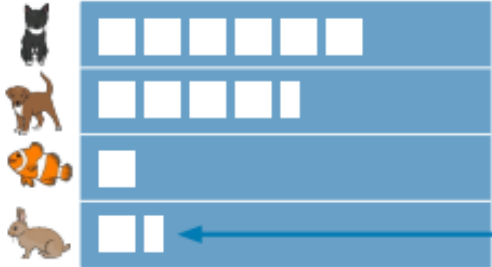
❖ It can be in the form of numbers, words, pictures, digits.

❖ It provides us with the facts.

❖ By organising this information in different ways we can make it easier to read and answer questions and solve problems.

Here is a grid showing the key vocabulary we will be focusing on this week.

We will learn about Tally charts on Monday and we learn more about Block or Bar Graphs on Thursday.

Key Vocabulary

- data
- interpret
- key
- tally chart
- pictogram
- block diagram
- table
- total
- compare
- symbol

Tally Charts

Tally marks look like this:

I I I III III IIII III III III

The fifth mark goes across diagonally, like a gate.

A tally chart is one way of collecting data using tally marks.

Eye Colour	Tally	Total
brown	JHT I	6
blue	JHT III	8
green	III	3
grey	IIII	4
hazel	JHT	5

Block Diagram

A block diagram represents data using blocks. One block represents one item.

In this block diagram, the **y-axis**, which is vertical, shows the number of items.

In this block diagram, the **x-axis**, which is horizontal, shows the types of items.

The blocks can go vertically or horizontally.

On Tuesday and Wednesday we will learn to draw and interpret pictograms. We will begin by using a scale of 1 but then we will change this and the children need to be encouraged to use their knowledge of counting in 2's, 5's and 10's.

Statistics — Knowledge Organiser

Pictograms

Pictograms use pictures or symbols to represent data. Each picture or symbol can represent one item or more than one. The key shows what each symbol represents.

Favourite Colour

Red   Blue   Green   Yellow   Pink

Key

◯ = 1 child

Here is an example of a pictogram with a different scale.

Traffic Survey

Car   Motorbike   Van   Bus

Key   ◯ = 5 vehicles

This pictogram uses one symbol to represent 2 pets.

Class 1's Pets

Key

☐ = 2 pets

To represent 1 pet, a picture of half a square is used.

This pictogram has one symbol to represent 10 children.

Ways of Travelling to School

Car	😊 😊 😊 😊 😊
Motorbike	😊 😊 🌙
Van	🌙
Bus	😊 😊

Key

😊 = 10 children

To represent 5 children, a picture of half a face is used.

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Friday-Statistics

The children will apply the knowledge that they have learnt during the week to complete a range of questions using data of different kinds.