

Week beg 16.07.20



DATA HANDLING

Monday 16th July

We are learning how to solve a problem by collecting data and organising it in a way which is easy to read and understand.



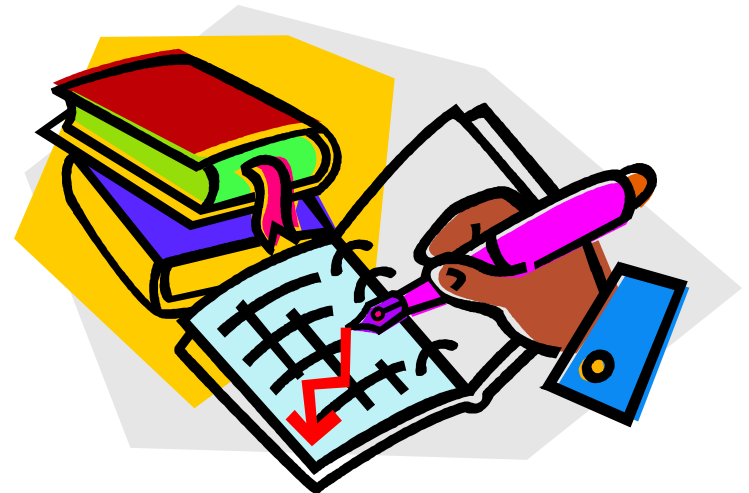
What is Data?

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.

Success criteria for today.

By the end of the lesson you will have learnt how to organise data in the form of a tally chart, which make the data easy to read and will help you solve problems and answer questions quickly and easily.

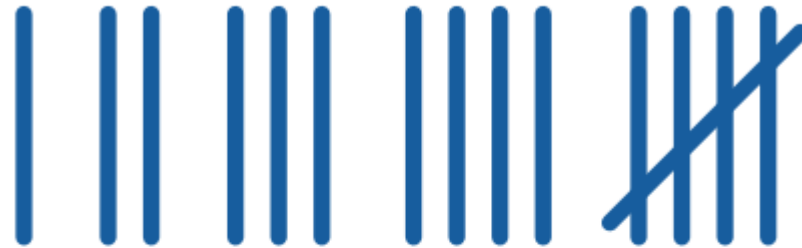


How can we collect data?

Tally Chart

Tally Charts

Tally marks look like this:



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		6
blue		8
green		3
grey		4
hazel		5

What can we find out?
What problems can we solve?

Most popular ?

least popular ?

how many people like ?

Lets have a look at this Tally chart.

It shows what month different people have a birthday.

Birthday Month	Tally	Total
January		12
February		
March		
April		5
May		7
June		
July		
August		11
September		
October		6
November		
December		17

Tally charts are used to record data. They are grouped in fives because it is easier to count in fives to work out the total especially if there are big numbers.

Can you answer the following questions?

Which is the most common month for birthdays?

Which month had the fewest birthdays?

Activity.

For today's activity I have put two tally chart question cards in your pack.

In the first one you need to answer questions about the tally chart and in the second you have to make your own tally chart using the data provided.

100 children were asked to choose their favourite party foods. Which foods have the wrong total?

Party Food	Tally	Total
crisps		22
jelly		19
cake		24
sandwiches		8
ice cream		41

Count the tally marks to work out the correct totals.



The tally marks for the sandwiches should look like this.



Explain why Alex is wrong.

Some children voted for their favourite party entertainment by putting a cross in the box.



clown	xxxxx xxxxx xxxxx xxxxx xxx
disco	xxxxx xxxxx xx
magician	xxxxx xxxxx xxxxx xxx
balloon modeller	xxxxx xxxxx
party games	xxxxx xxxxx xxxxx xxxxx xxxxx xx

Represent this data using a tally chart.

Which is the most popular party entertainment?

Which is least popular?

What is the difference between the number of votes for a clown and a disco?

How many votes did a magician and a balloon modeller get altogether?