Tuesday 2nd February 2021

L.O: I am getting better at making and using tally charts.

Today in maths we will be looking at tally charts.

Tally charts focus on counting in 5s as each tally chart can only go up to 5 marks before a new one is made.

We use tally charts to represent numbers quickly. By making a strike in your tally it save time instead of writing '1, 2, 3, 4, 5…' you can make marks '卌' to represent 5 of something.

Example

I am going to see which colour is the most popular colour. To do this I have created a tally chart to take down the numbers of people who told me their favourite colour. Once I have got everyone's favourite colour I will add up the total of the tallies.

Favourite Colour	Tally	Total
Blue	卌 ‖‖	8
Red	卌 卌 ‖	12
Yellow	‖	2
Green	‖‖	3

The tally chart has told me the number of people who said each colour was their favourite.

I could count each tally individually, however when I can see that there are groups of 5 it is easier for me to count in 5s for the groups. In the first colour 'blue' I could see that there is a group of 5 and some individual tallies, so I started counting from 5. The 'red' group has two groups of 5 so I counted '5, 10' and then the individual tallies.

Can you complete the tally chart?

Car makes	Tally	Total
Vauxhall	|||	
Ford	~~||||~~ ~~||||~~ ||	
BMW	~~||||~~	

Can you complete the missing parts of the tally chart?

Year Group	Tally	Total
Year 1	~~||||~~ ~~||||~~	10
Year 2		19
Year 3	~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ||	
Year 4		17

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

Can you complete the tally chart?
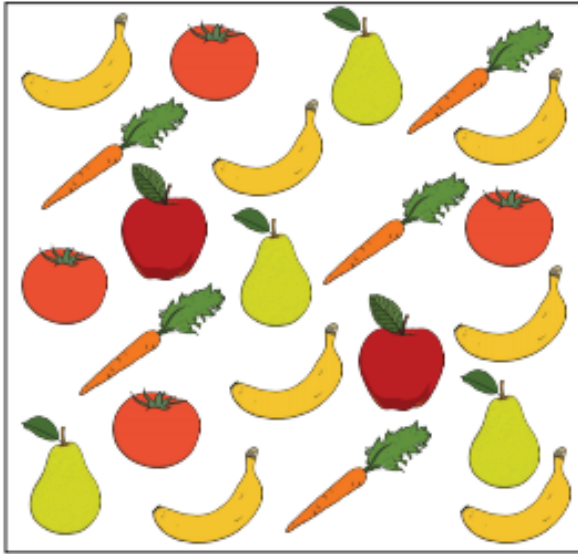
Which is the most common month for birthdays?

Which month had the fewest birthdays?

Eye Colour	Number
Brown	卌 卌 卌
Blue	卌 II
Green	卌 卌
Grey	III
Hazel	IIII

How many children have green eyes?

How many children have hazel eyes?
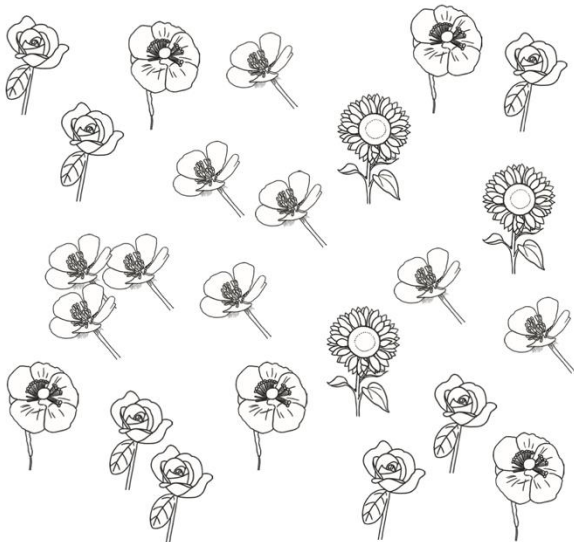
What is the least common eye colour?

Can you complete the tally chart?

Tally Chart		
	Tally	Total
🍌		
🥕		
🍅		
🍎		
🍐		

Can you write the tally marks next to the animals?

Rose	Poppy	Buttercup	Sunflower

Flowers			
Roses	**Sunflowers**	**Buttercups**	**Poppies**
Tally			
Total			

Can you fill in the tally chart?

Sea Creatures

Clown fish	⩘⩘	5
Stingray	|||	3
Octopus		4
Seahorse	⩘⩘ |||	8
Angel fish		7
Puffer fish	⩘⩘ ||	

Make Tally Charts

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

Party Food	Tally	Total
crisps	卌 卌 卌 卌 ‖	22
jelly	卌 卌 ‖‖	19
cake	卌 卌 卌 卌 卌	24
sandwiches	卌 ‖‖	8
ice cream	卌 卌 卌 卌 卌 卌 ‖	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.

Please show your tally chart here.

Make Tally Charts

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 xxxx
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?

Please show your tally chart here.

Can you create your own tally chart?

You could ask the people in your home what their favourite colour is or what their favourite food is.

Whatever you choose, you must make sure the topic is the same, so everyone will answer their favourite colour or their favourite car.