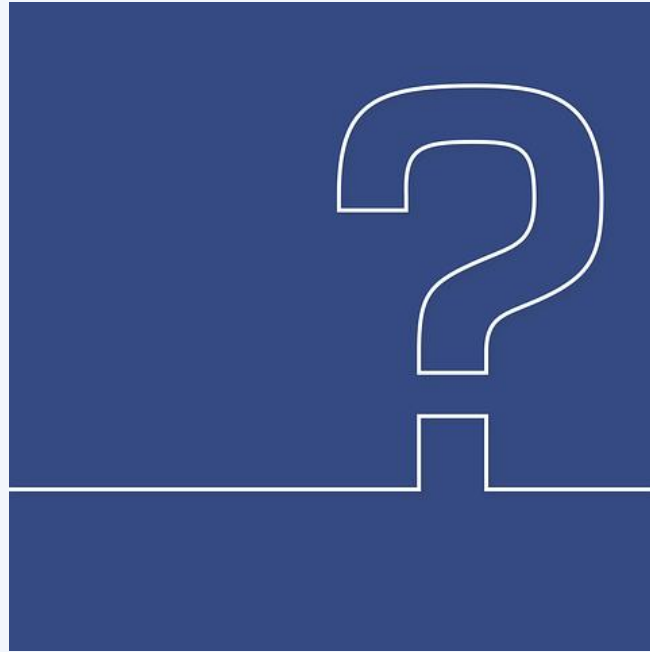


Lesson 2: Enter the data

Year 2 – Data and information – Pictograms

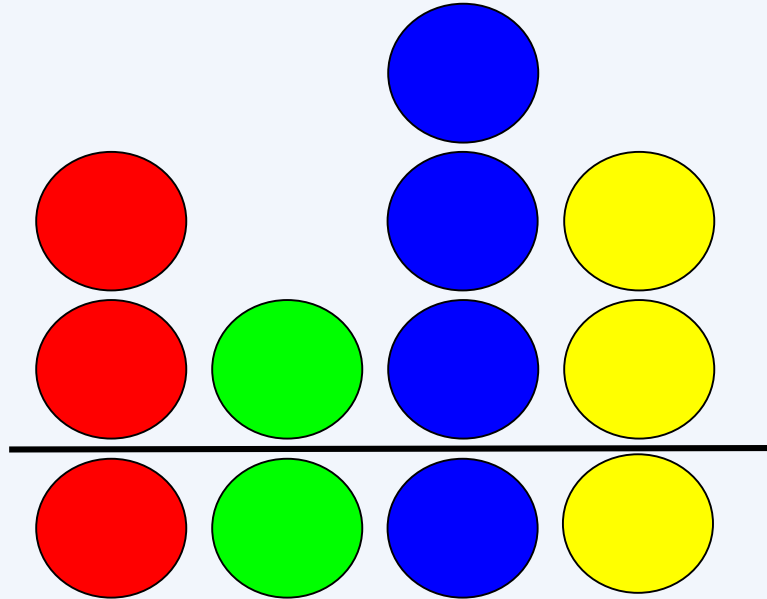
What is a pictogram?



Think, pair, share

Pictograms

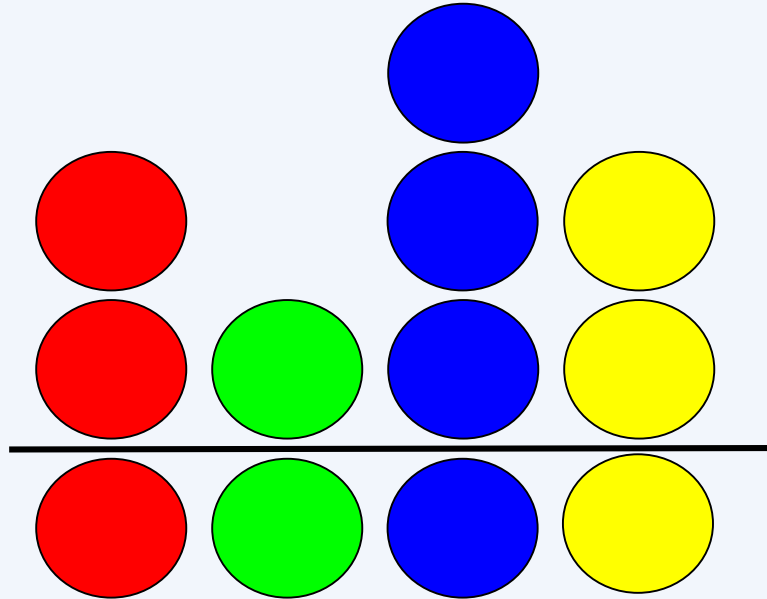
Our group's favourite colours



A pictogram is a chart that uses pictures to display data. We can make them using pens and paper, or we can use a computer.

Pictograms

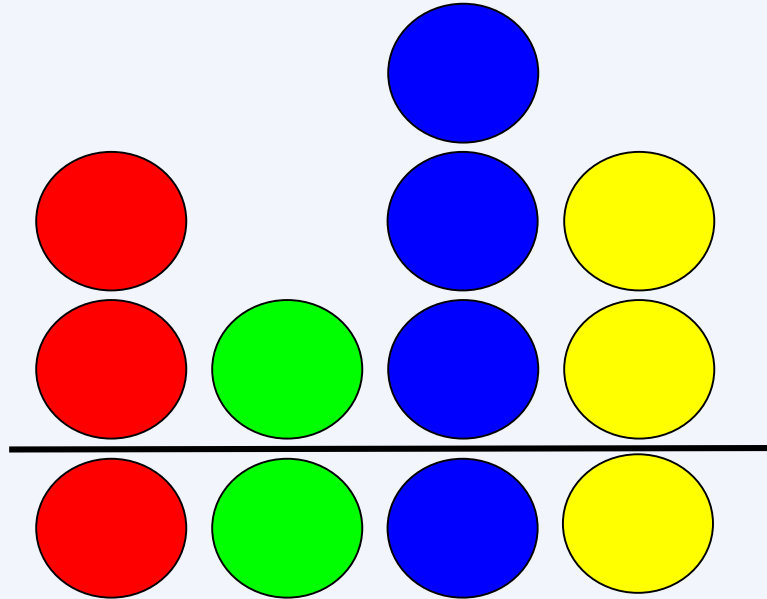
Our group's favourite colours



This pictogram shows the favourite colours of a group of children. Each circle of colour represents one child's answer.

Pictograms

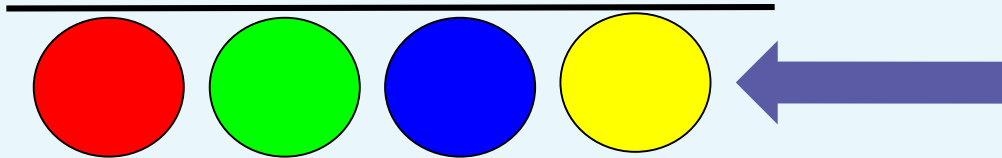
Our group's favourite colours



I asked eight children what their favourite colour was and recorded it using a pictogram. For each person's answer I added a circle of their chosen colour.

Quick pictograms

Our group's favourite colours



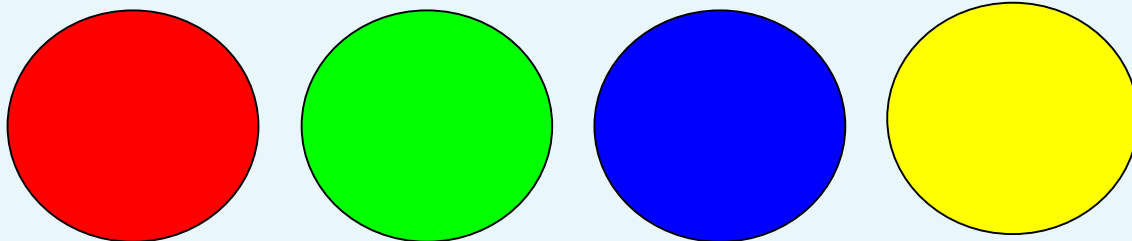
The images underneath the line show the data that is being collected.

We do not count this.

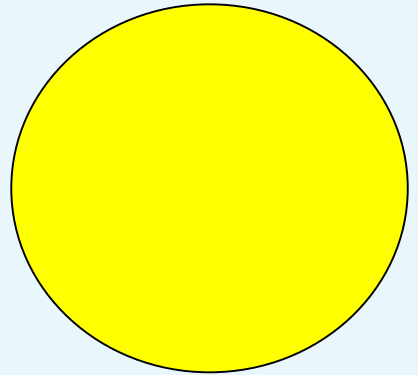
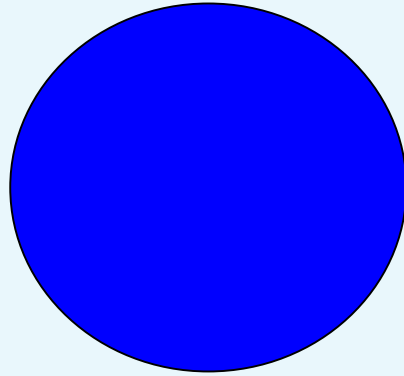
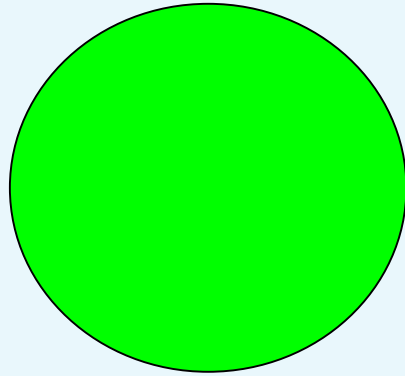
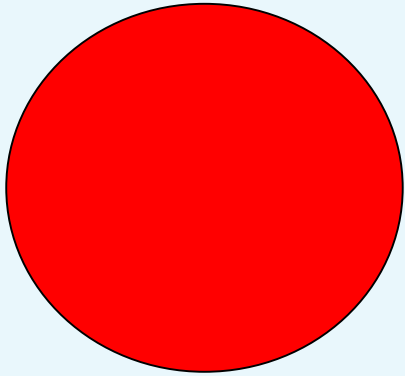
Can you create a pictogram to show your group's favourite colours?

Quick pictogram rules

- Everyone has to choose their favourite colour from the list: red, green, blue, or yellow
- You only have one vote, so you can only pick one colour
- Everyone has to help make the pictogram
- Once the pictogram is made you need to work out as a group what your favourite colour is



What is your group's favourite colour from this list?



Red

Green

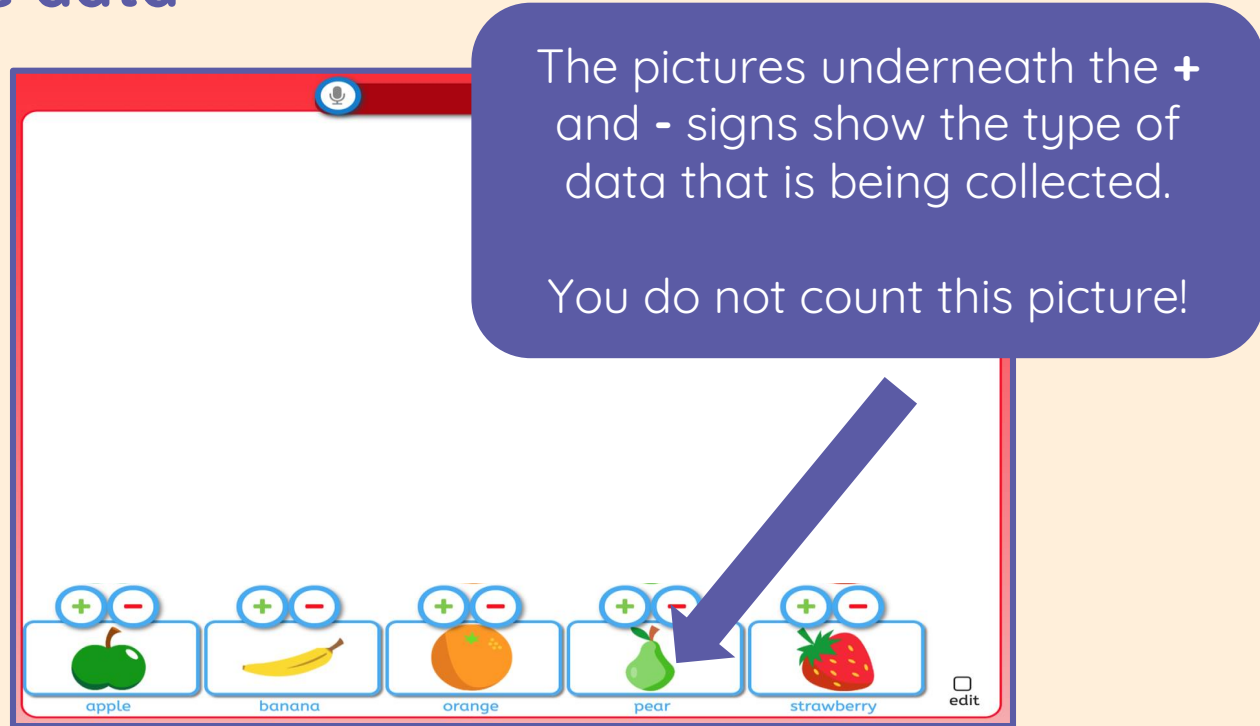
Blue

or Yellow?

Entering the data

The pictures underneath the + and - signs show the type of data that is being collected.

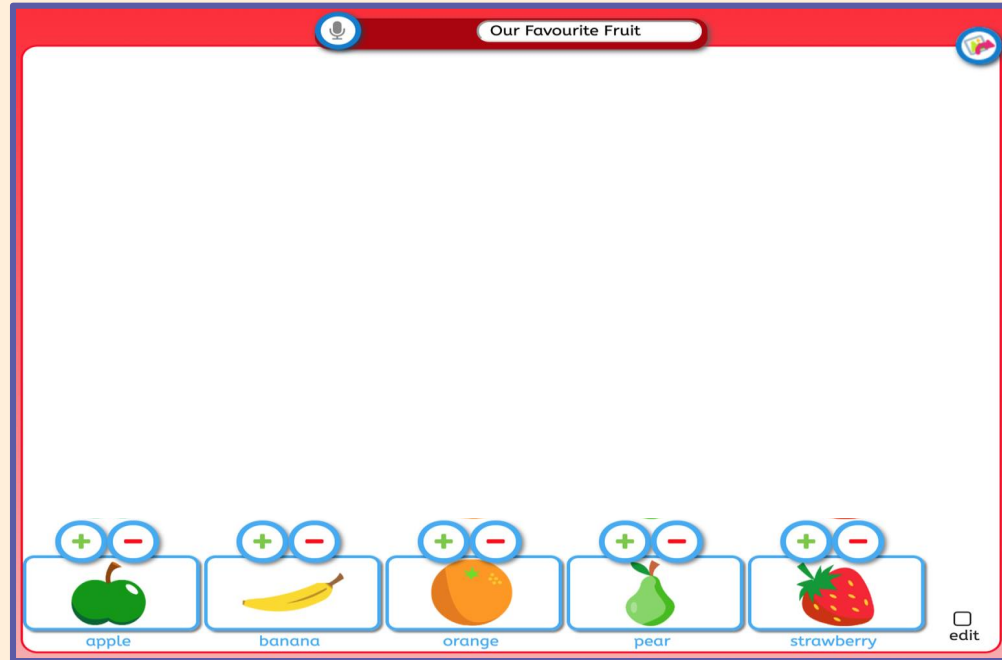
You do not count this picture!



The interface shows a red header bar with a microphone icon. Below it is a white area for data entry. At the bottom, there are five categories, each with a plus sign (+) and a minus sign (-) above a picture of the fruit. The categories are: apple (green apple), banana (yellow banana), orange (orange), pear (green pear), and strawberry (red strawberry). A blue arrow points to the minus sign above the pear category. An 'edit' icon is in the bottom right corner.

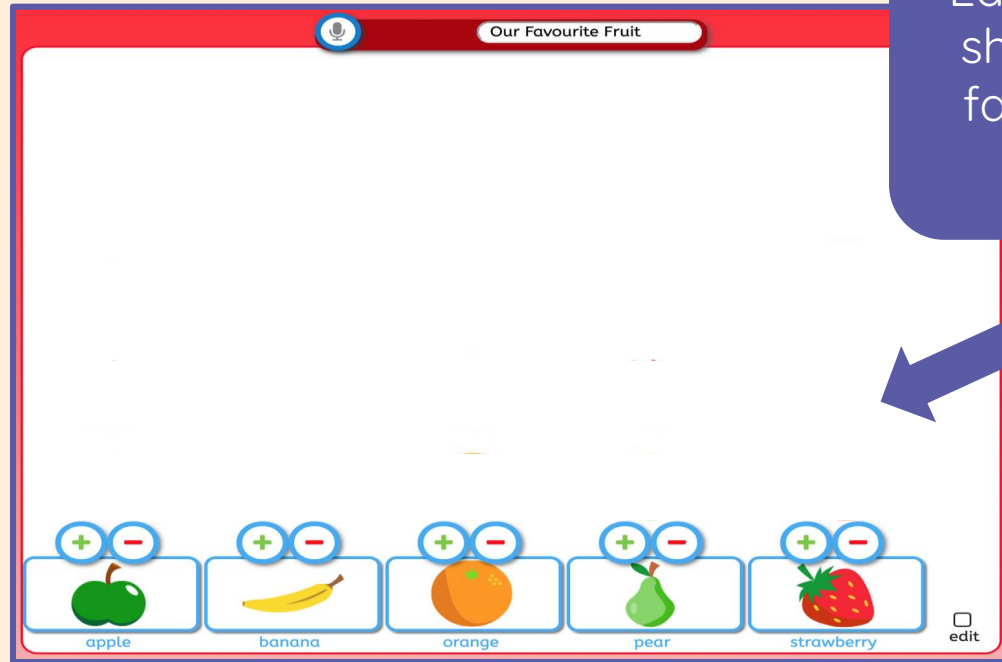
What have I been collecting data about?

My family's favourite fruit



I asked my family what their favourite fruit was from my list: apples, bananas, oranges, pears, or strawberries. They could only choose one fruit from my list.

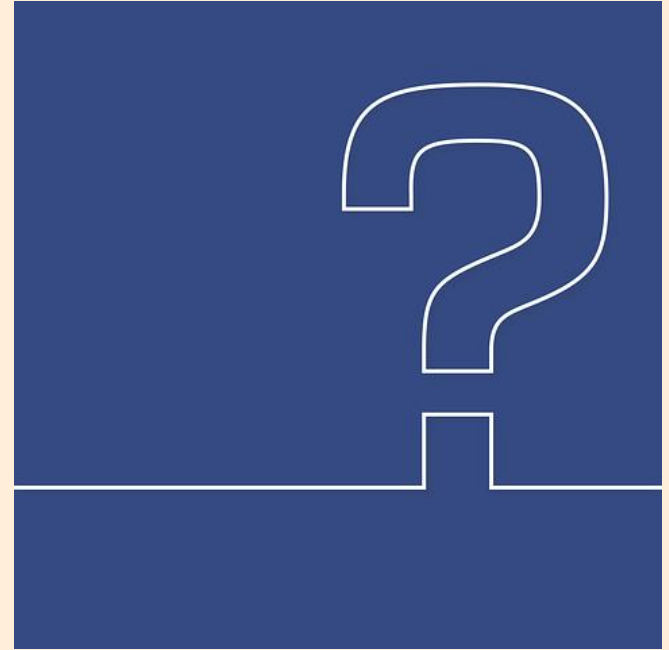
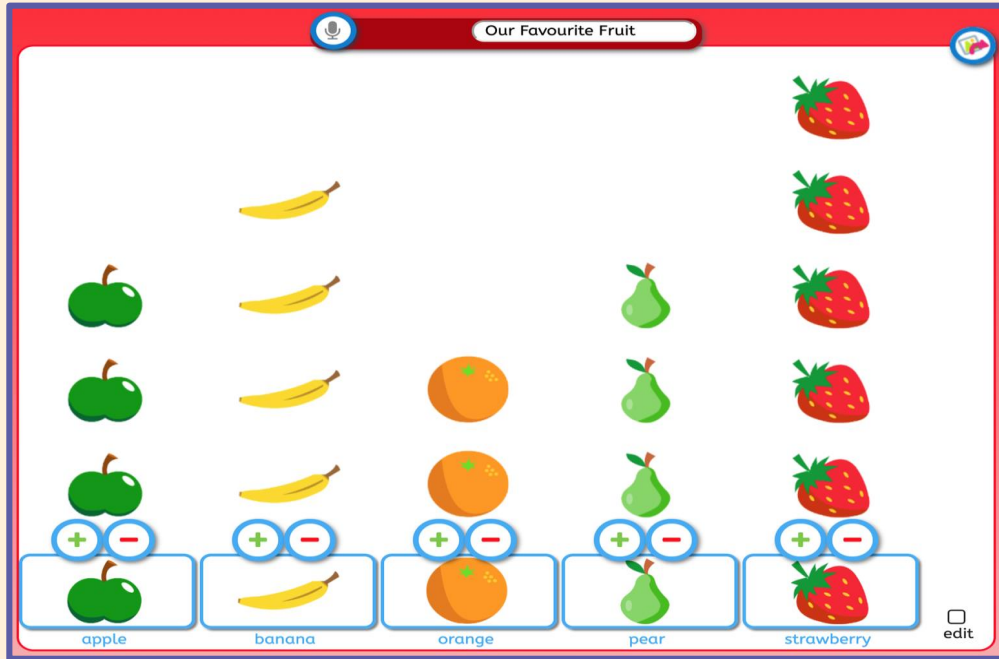
My family's favourite fruit



Each piece of fruit shows one of my family members' choices.

Each time a member of my family chose their favourite fruit I clicked on the + next to their chosen fruit. This is the data I collected.

Why do you think I collected this data?



I'm having a party soon and I wanted to know how much of each fruit to buy. It is always important to have a reason to collect your data.

Answering questions

The screenshot shows a digital interface for a counting activity. At the top, there is a red header with a microphone icon on the left and a speech bubble icon on the right. In the center of the header is a white rounded rectangle containing the text "Our Favourite Fruit". Below the header, there is a large white area for writing. At the bottom, there are five fruit categories, each in a blue-bordered box. Above each fruit image are two small circles: a green one with a plus sign (+) and a red one with a minus sign (-). The categories are: apple (green apple), banana (yellow banana), orange (orange), pear (green pear), and strawberry (red strawberry). A large blue arrow points from a text box above to the minus sign of the pear category. In the bottom right corner of the interface, there is a small square icon with the word "edit" next to it.

Our Favourite Fruit

The pictures underneath the + and - signs show the data that is being collected. When you count the number of objects, you do not count this one.

apple banana orange pear strawberry

edit

Answering questions

Our Favourite Fruit

apple	banana	orange	pear	strawberry
3	3	2	3	5

edit

How many people chose bananas?

Answering questions

The chart displays the following data:

Fruit	Count
apple	3
banana	3
orange	2
pear	2
strawberry	5

The chart is titled "Our Favourite Fruit" and features a microphone icon on the left and a "edit" icon on the right. Each fruit category has a "+" and "-" button below the count. The fruits are arranged in columns: apple (3), banana (3), orange (2), pear (2), and strawberry (5). The labels "apple", "banana", "orange", "pear", and "strawberry" are positioned below their respective columns.

How many people chose oranges?

Answering questions

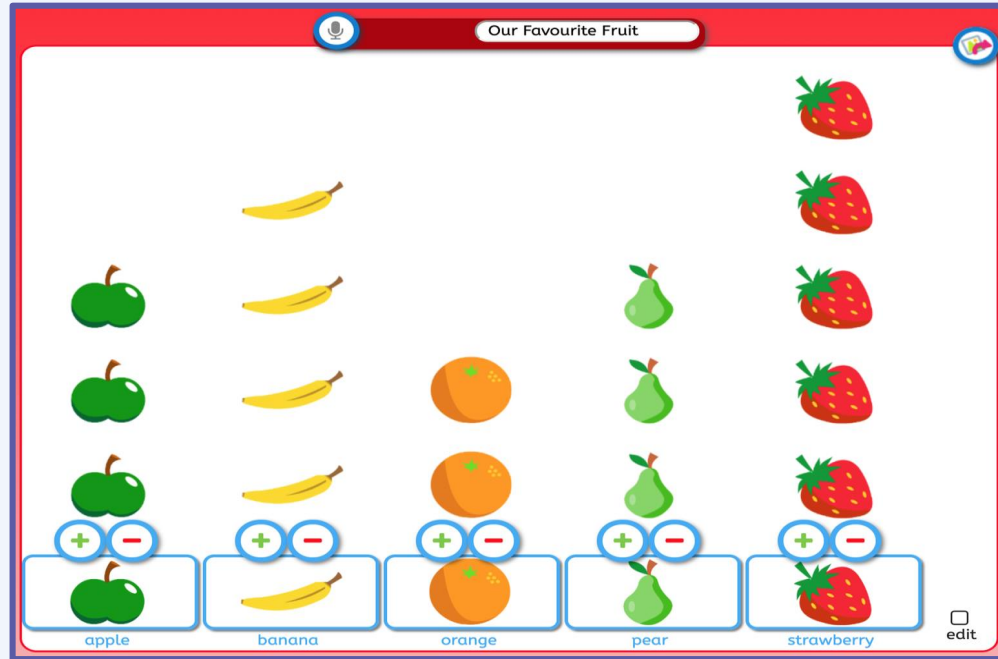
Our Favourite Fruit

Fruit	Count
apple	4
banana	3
orange	2
pear	3
strawberry	5

edit

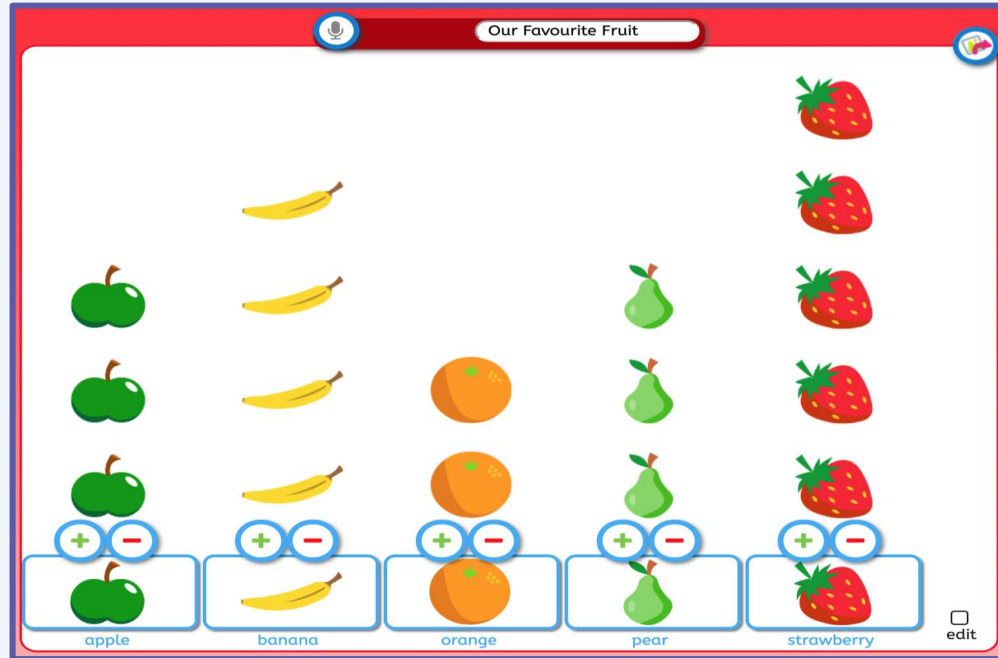
Which fruit got the most votes?

Answering questions



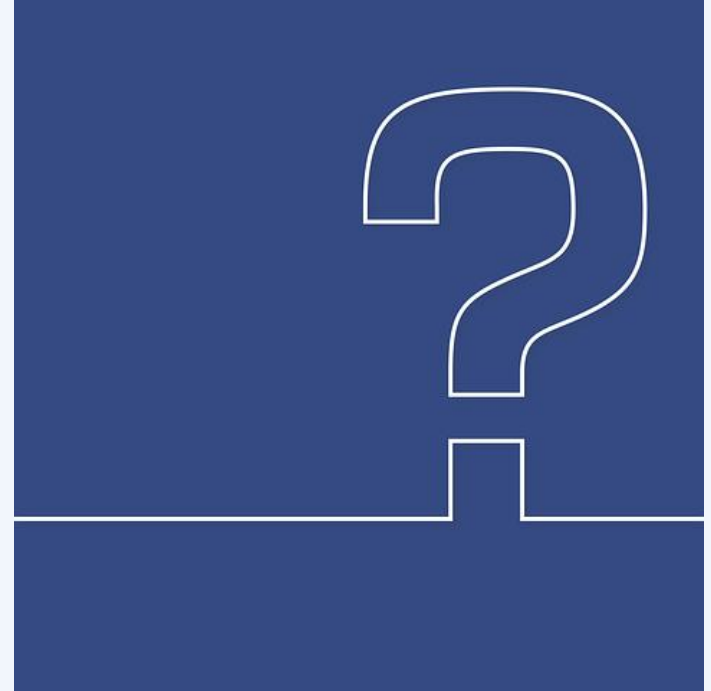
What if each fruit represented 2 votes.
Now how many people voted for pears?

Answering questions



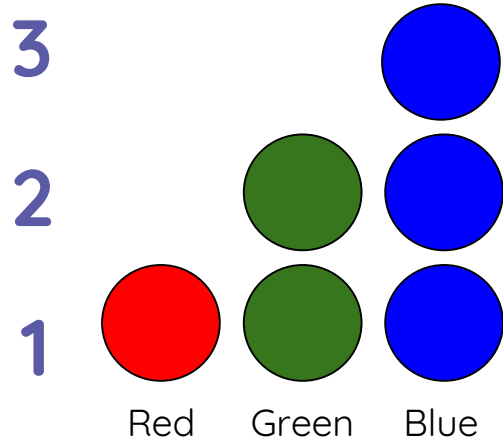
What if each fruit represented 5 votes.
Now how many people voted for bananas?

How do computers help us when we make pictograms?

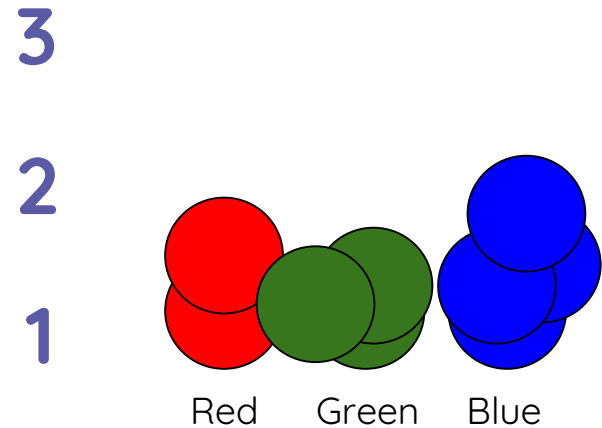


Which pictogram is easiest to read?

1. Class 10's favourite colours
colours

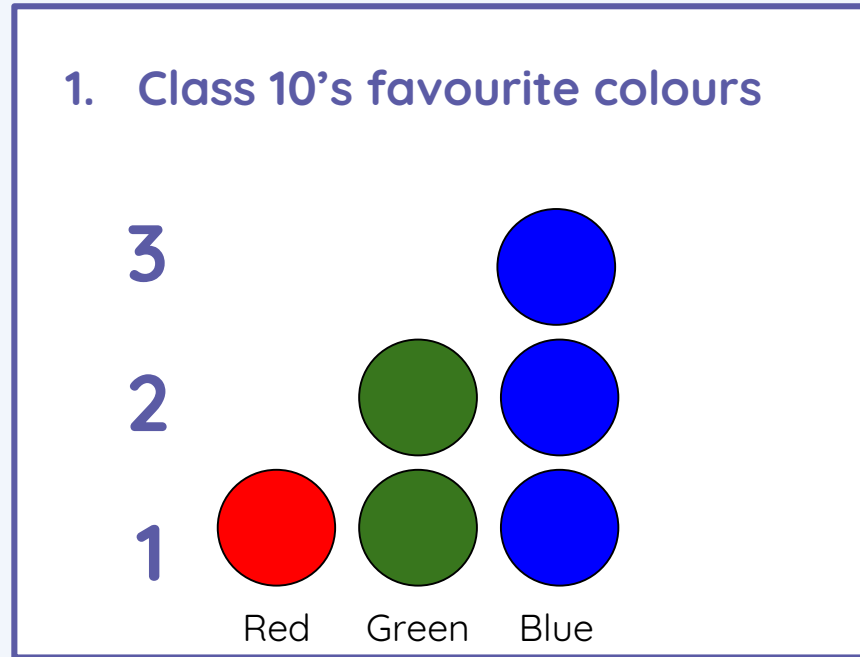


2. Class 10's favourite



Computers help us to lay out the data so it is evenly spaced, and easy to read and understand.

It is easy to enter data on a computer



Computers make it easy for us to enter the data. With the click of a button, we can add another coloured circle to the pictogram.

Extension

- Have a go at creating your own pictogram.