WALT: interpret a bar chart.

WILF: I can answer questions about a bar chart. I can ask questions about a bar chart.

Favourite Fruit

Miss Carmen made a survey in Year 3 to find out what was her students's favourite fruit. 10 of the students liked bananas, 2 students loved grapes, 8 children enjoyed apples and the 6 of them loved eating pears.

This is the information that miss Carmen collected from her survey.

The information is also called **data**.

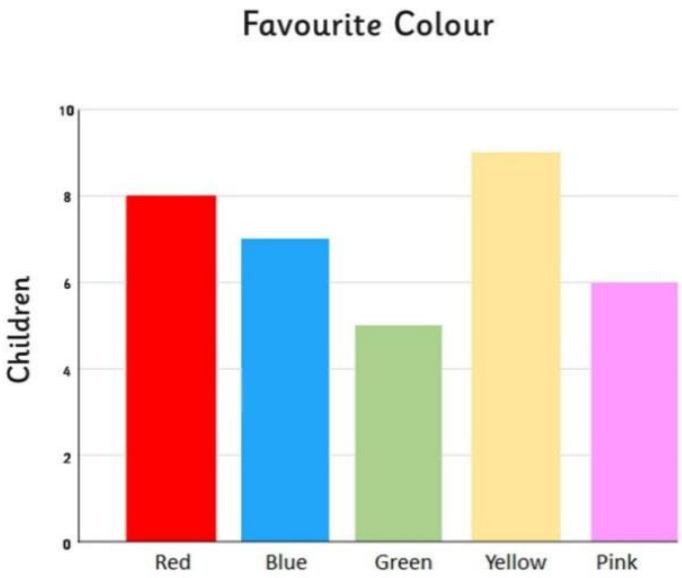
Graphs and Charts

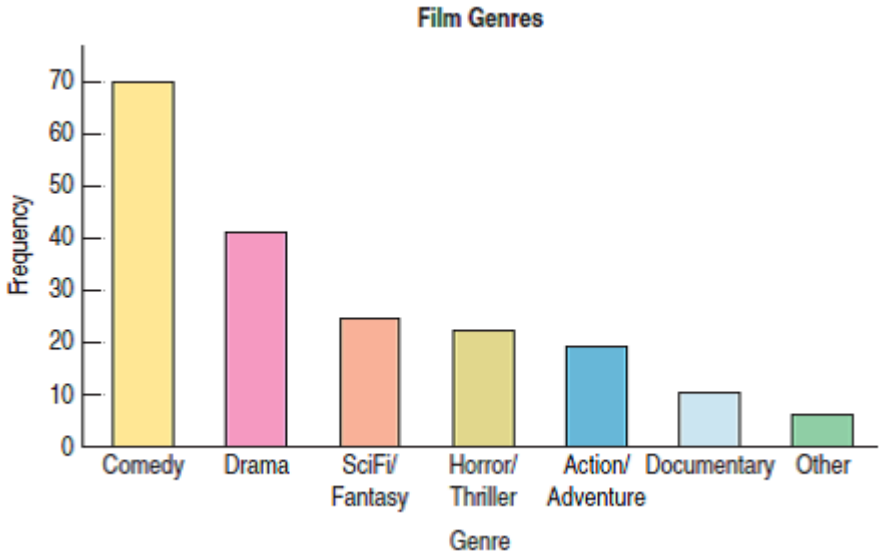
Sometimes, reading information (data) in a text with no pictures can be confusing. Pictures always help us understand information better!

That's why we use charts and graphs!
A graph or chart is a way to show and compare information (data).

Graphs and Charts

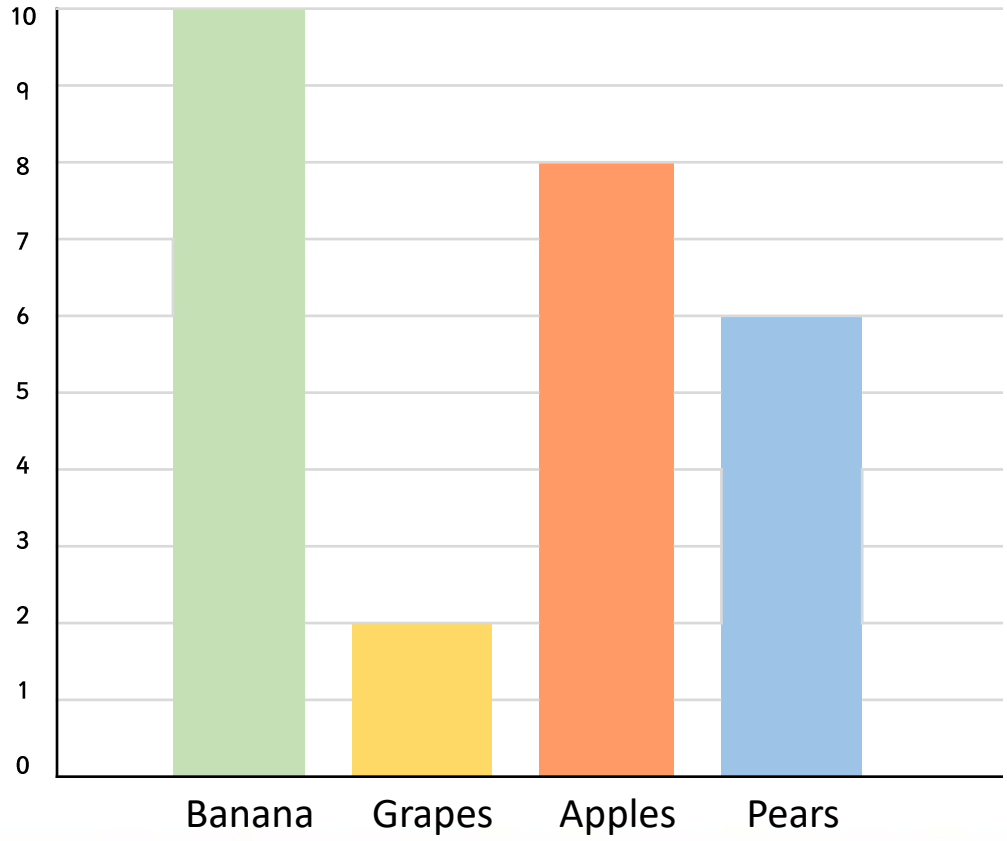
There are different kinds of graphs and charts! Today we will learn about **bar charts**! Take a look at some examples.





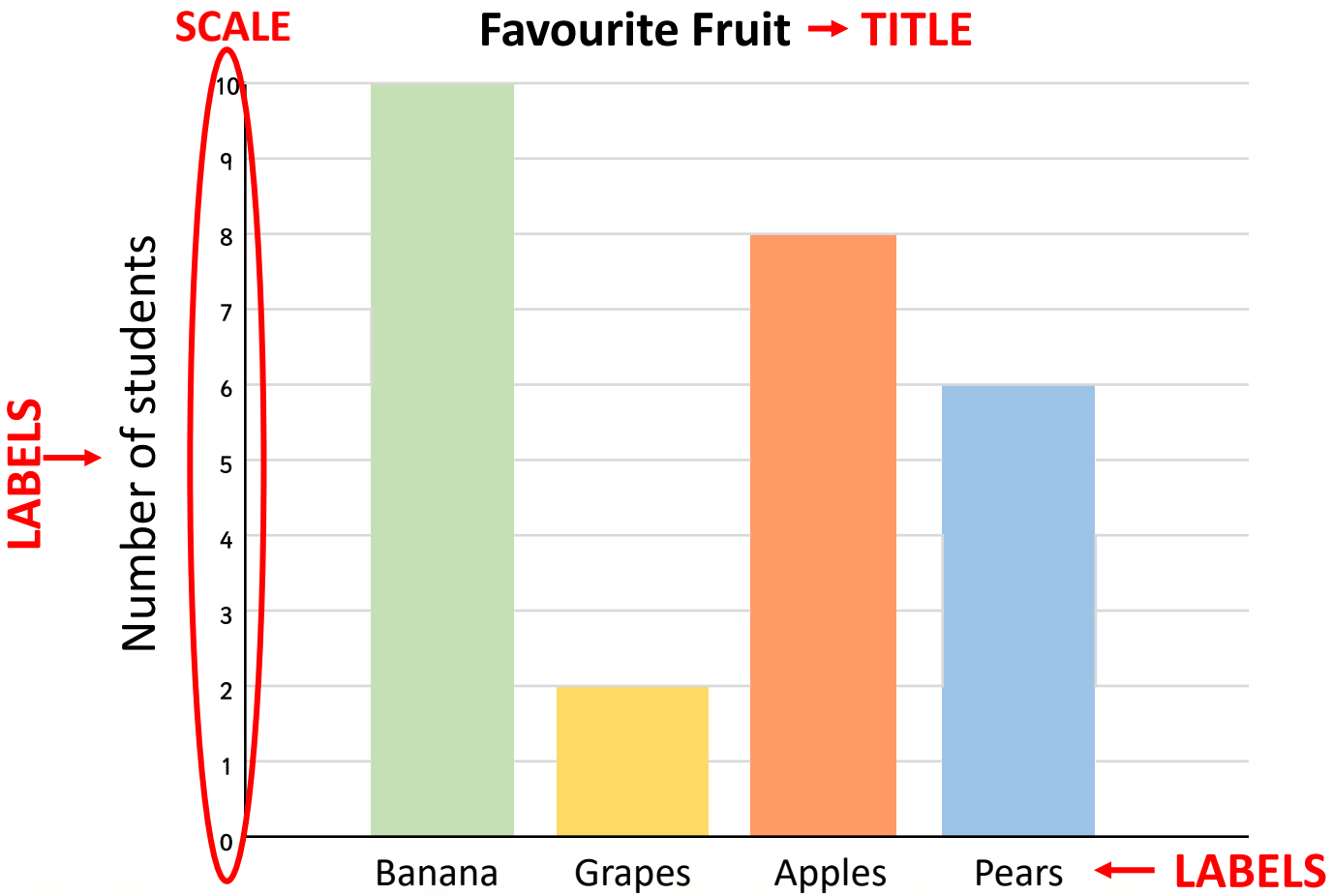
A bar chart uses bars of different lengths to present and compare data.

Let's see how we can present the data we collected about the favourite fruit of Year 3 using a bar chart!



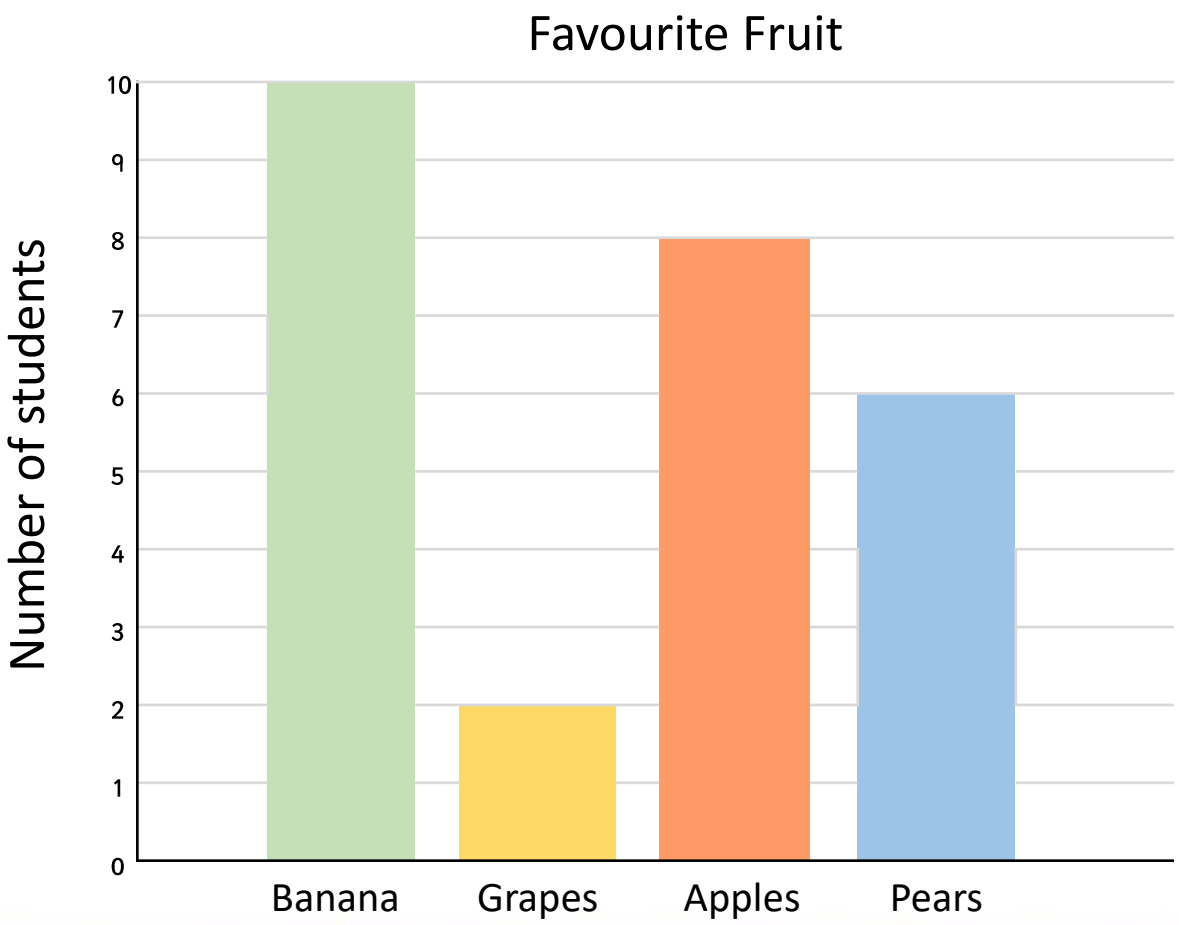
Every bar chart has:

1) Title, which tells us what the bar chart is about.
2) Labels, which tell us what kind of data is shown.
3) Scale, which tells us the number each block is equal to.

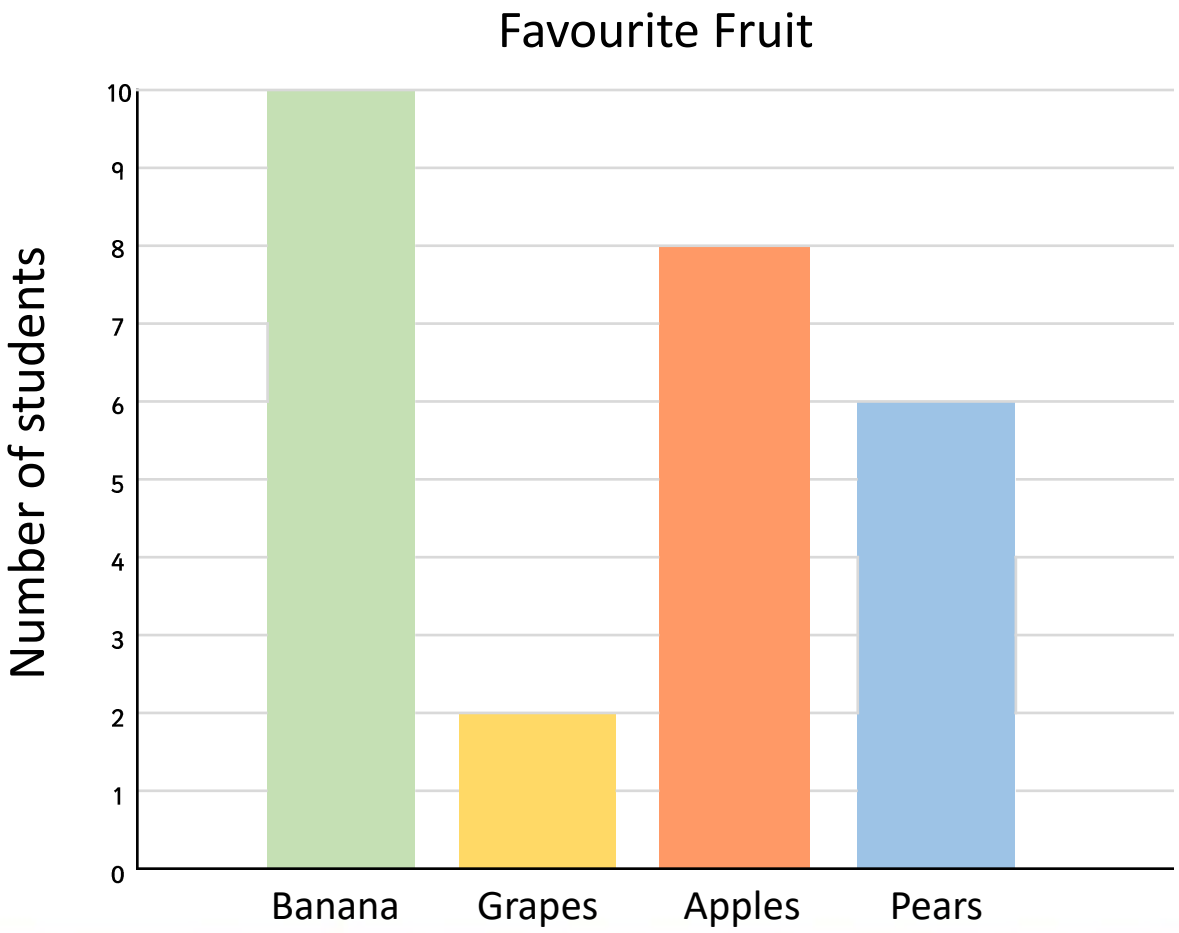


We can use the bar chart to collect information and answer to questions:
For example:

1) What is the least favourite fruit? Grapes
2) How many children like grapes, bananas and pears? 18

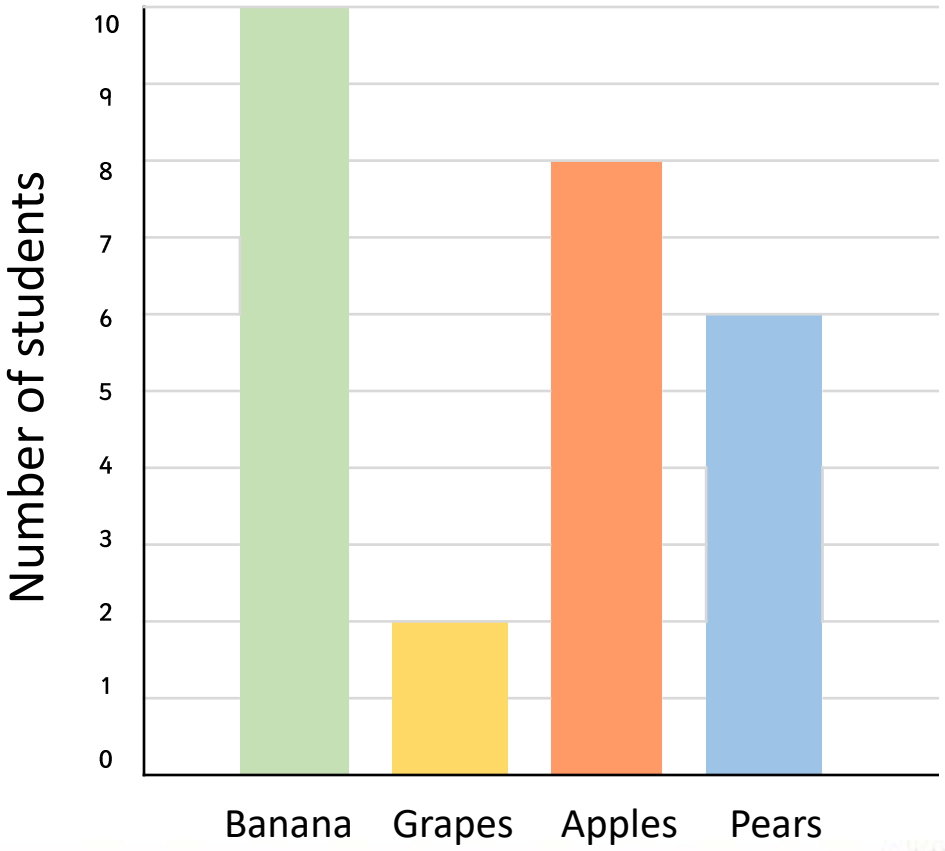


Can you think of any other questions we could ask based on the bar chart?
Discuss it with your teacher and share your thoughts with the entire class!



Notice that in the bar chart we used, the scale counts up in 1s. That's because the numbers we used are small. Imagine the same survey taking place for the entire school, the numbers would be huge, so our scale would be much taller.

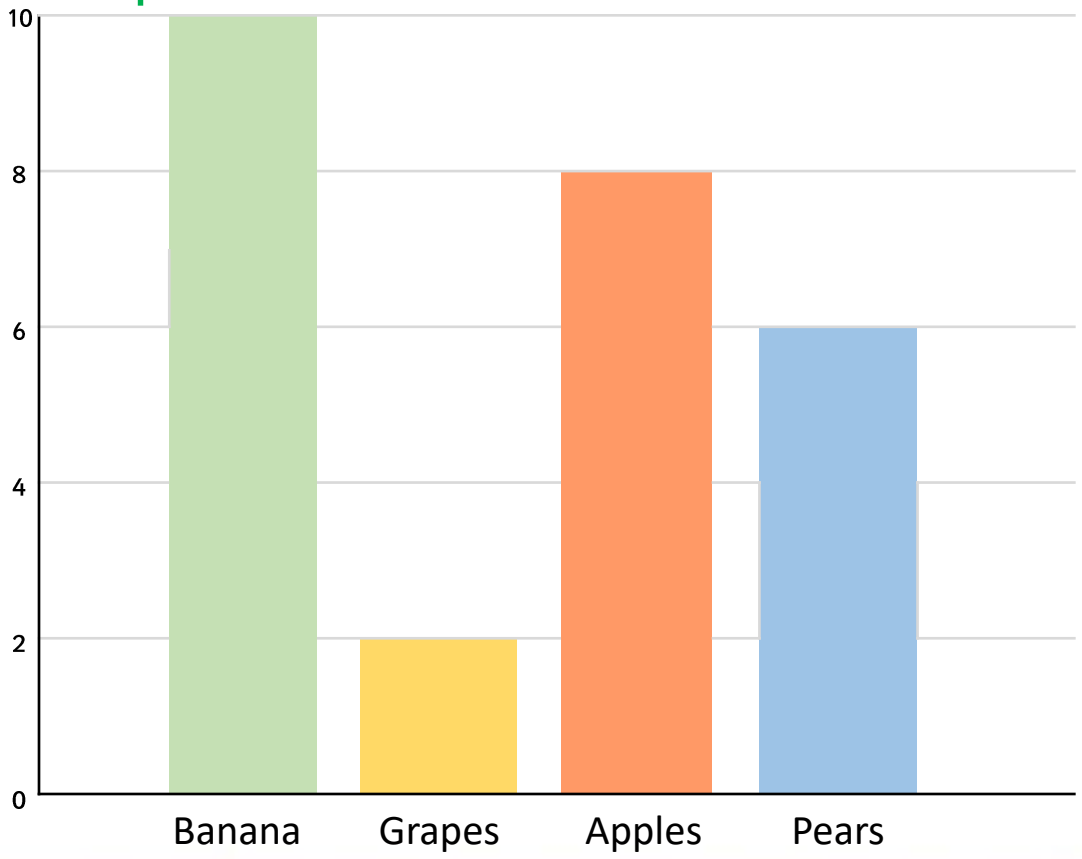
To make our bar charts easier to read we can count up in whichever pattern is more appropriate for the numbers we want to show in our chart. So, we can count up in 1s, 2s, 3s, 5s, 10s, 100s, etc.



Take a look at that example:

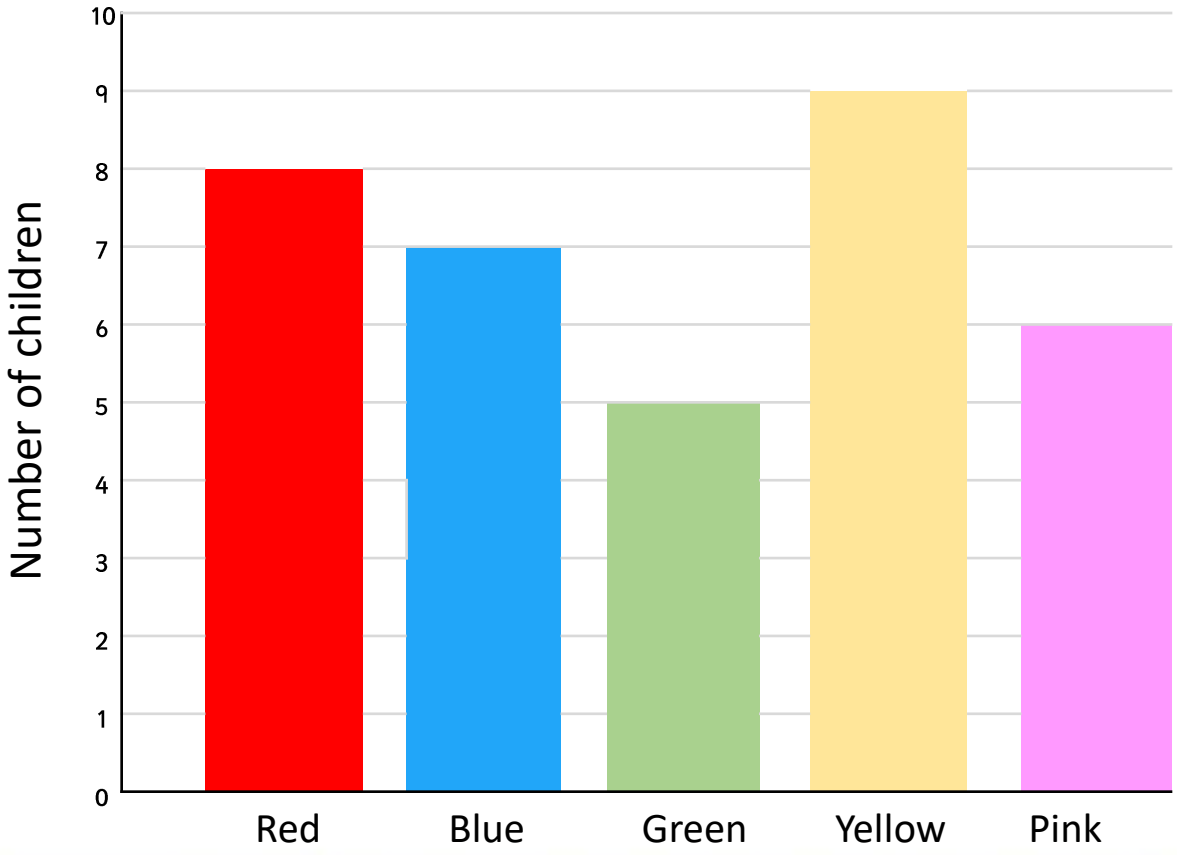
Here is the same bar chart with the number scale changed to only show the even numbers.

The scale counts up in 2s.



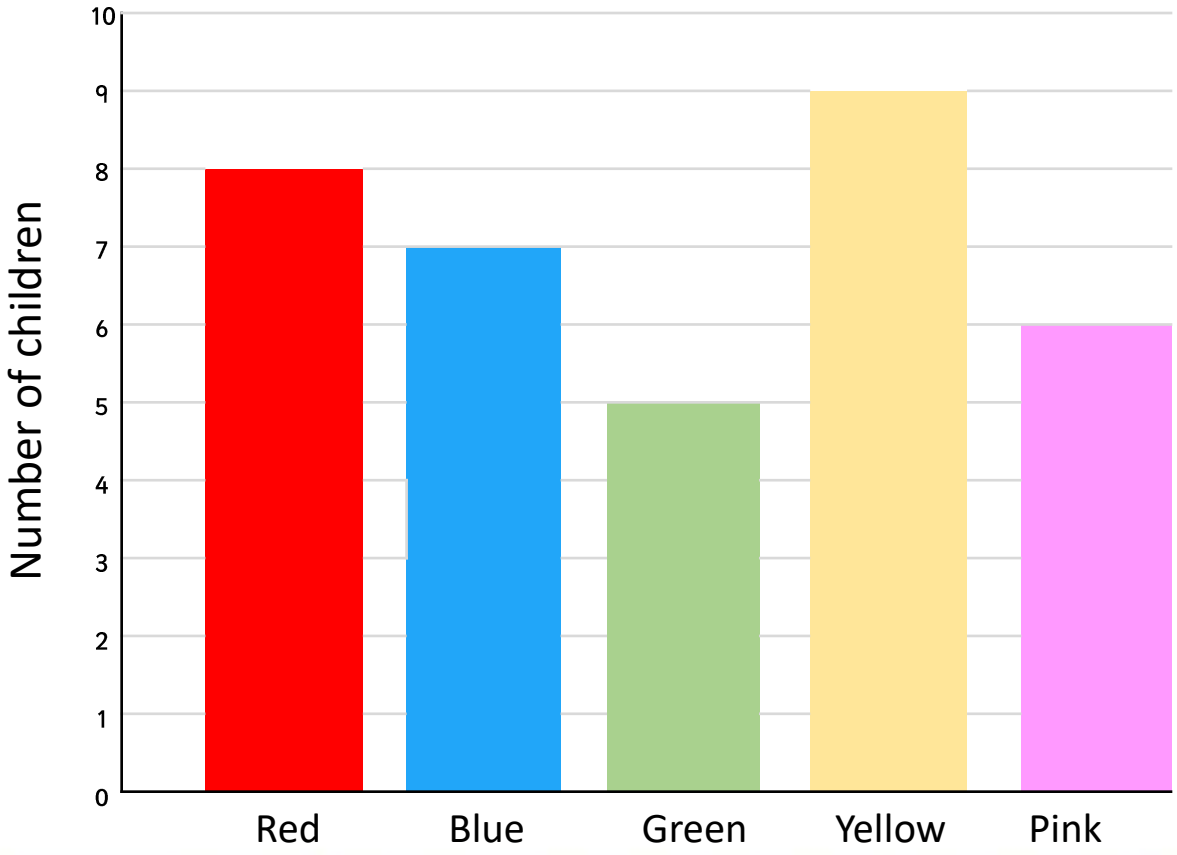
Here is a bar chart showing children's favourite colours.

The scale counts up in 1s.



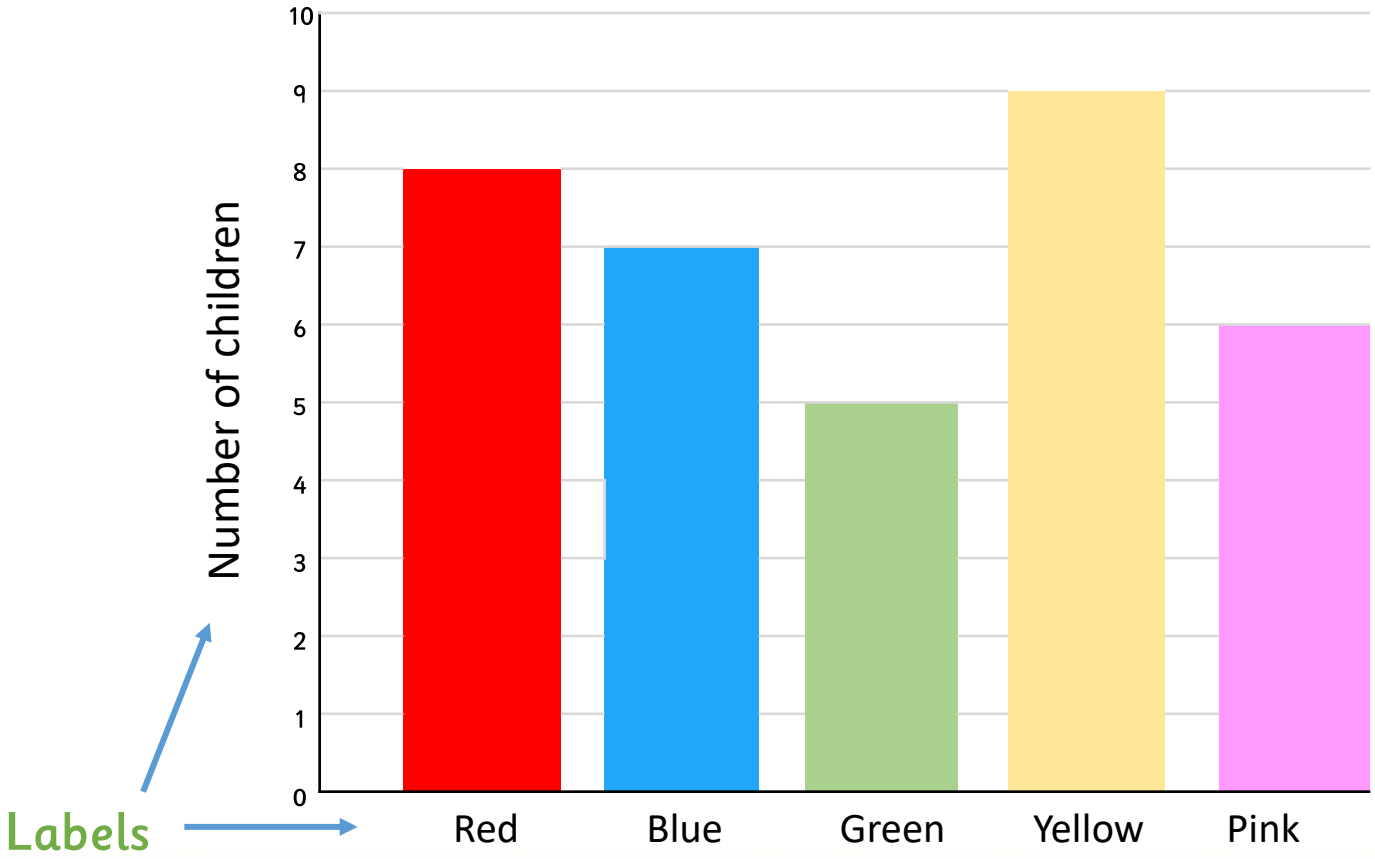
Take a look at the chart and answer to the following questions:

1) What could be the title of the chart?
2) What are the labels of the chart?
3) How many children chose blue colour as their favourite?



Take a look at the chart and answer to the following questions:

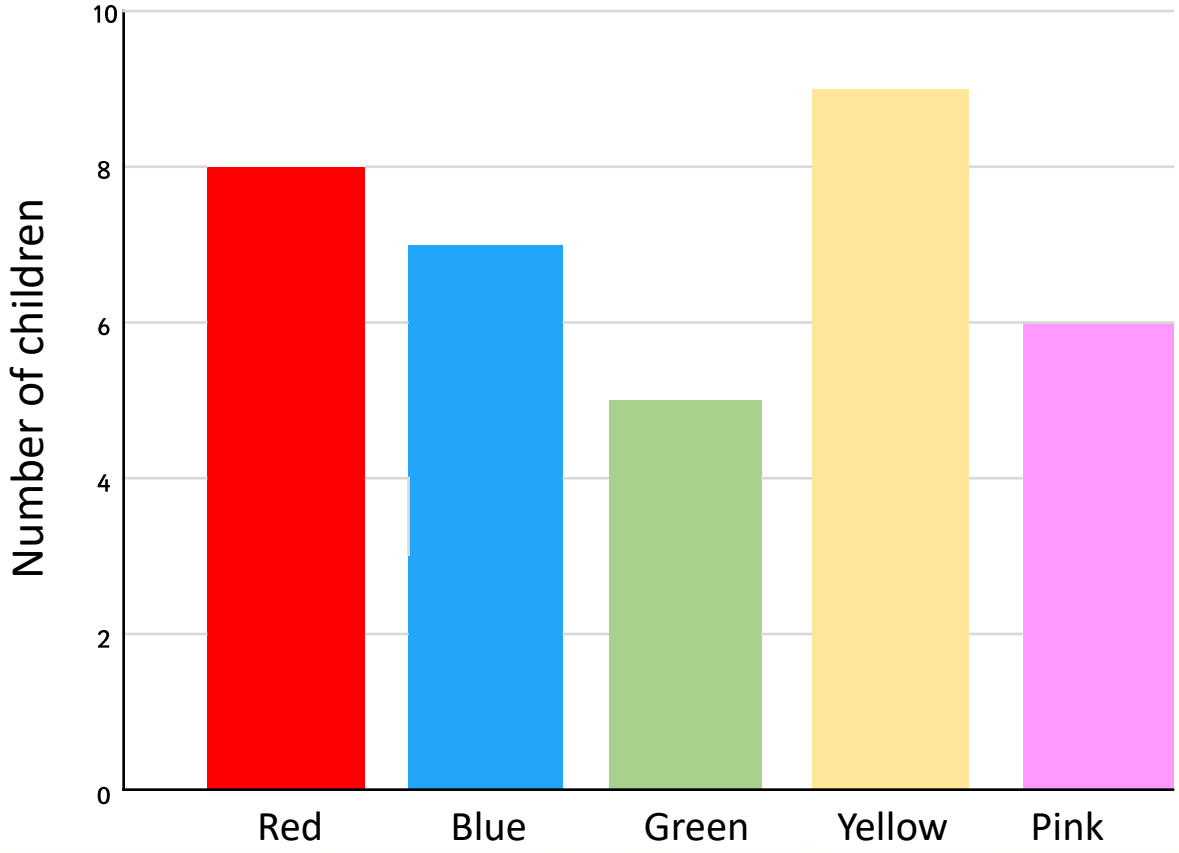
1) What could be the title of the chart? Favourite colour
2) What are the labels of the chart?
3) How many children chose blue colour as their favourite? 7



Favourite Colour

Here is the same bar chart with the scale counting up in 2s.

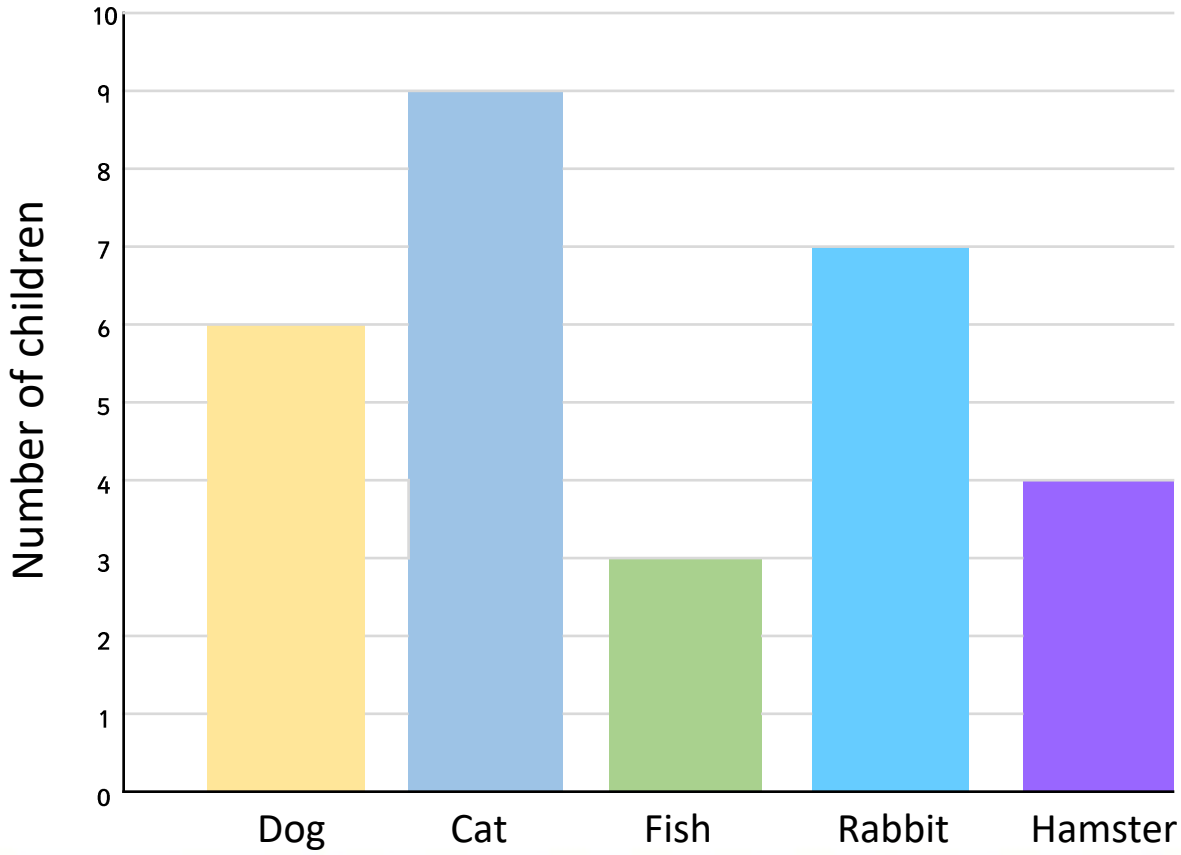
If there is an odd number, we have the bar stopping half way between the numbers.



Class Pets

Here is a bar chart showing children's pets.

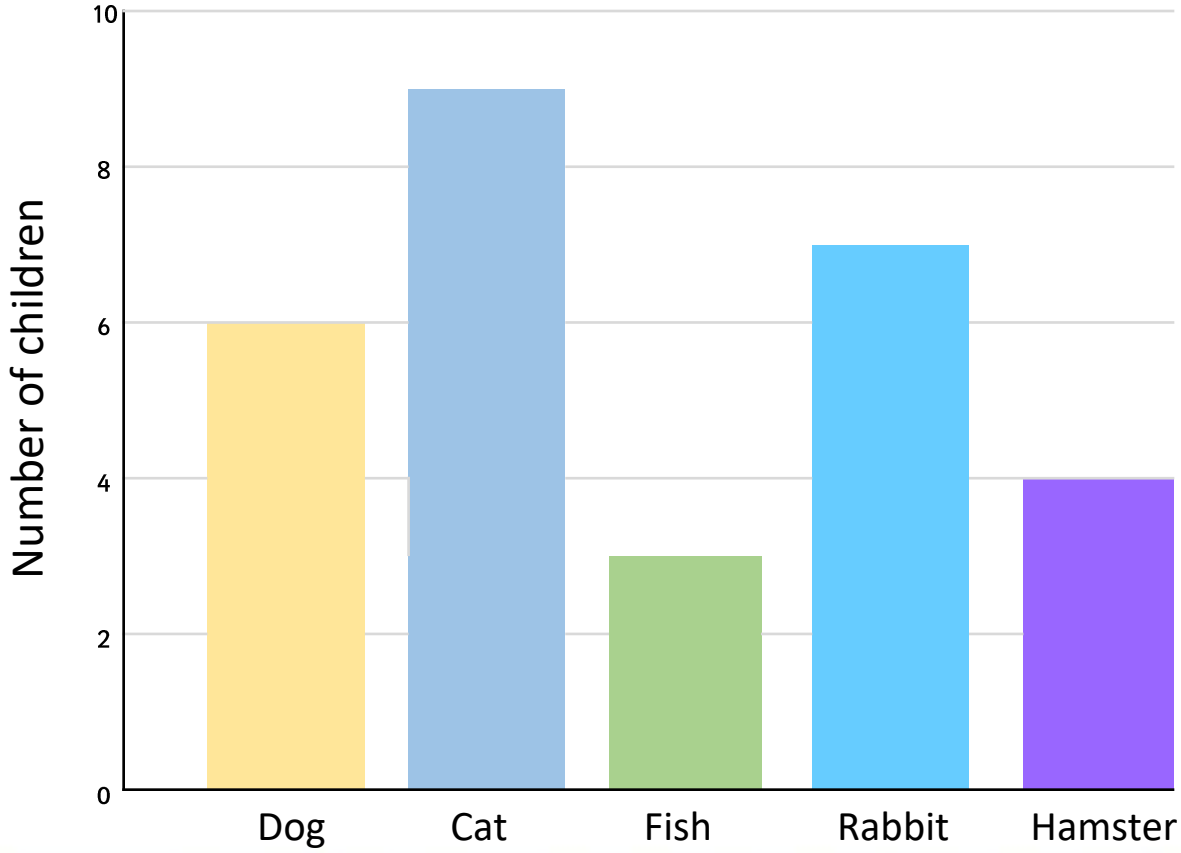
The scale counts up in 1s.



Class Pets

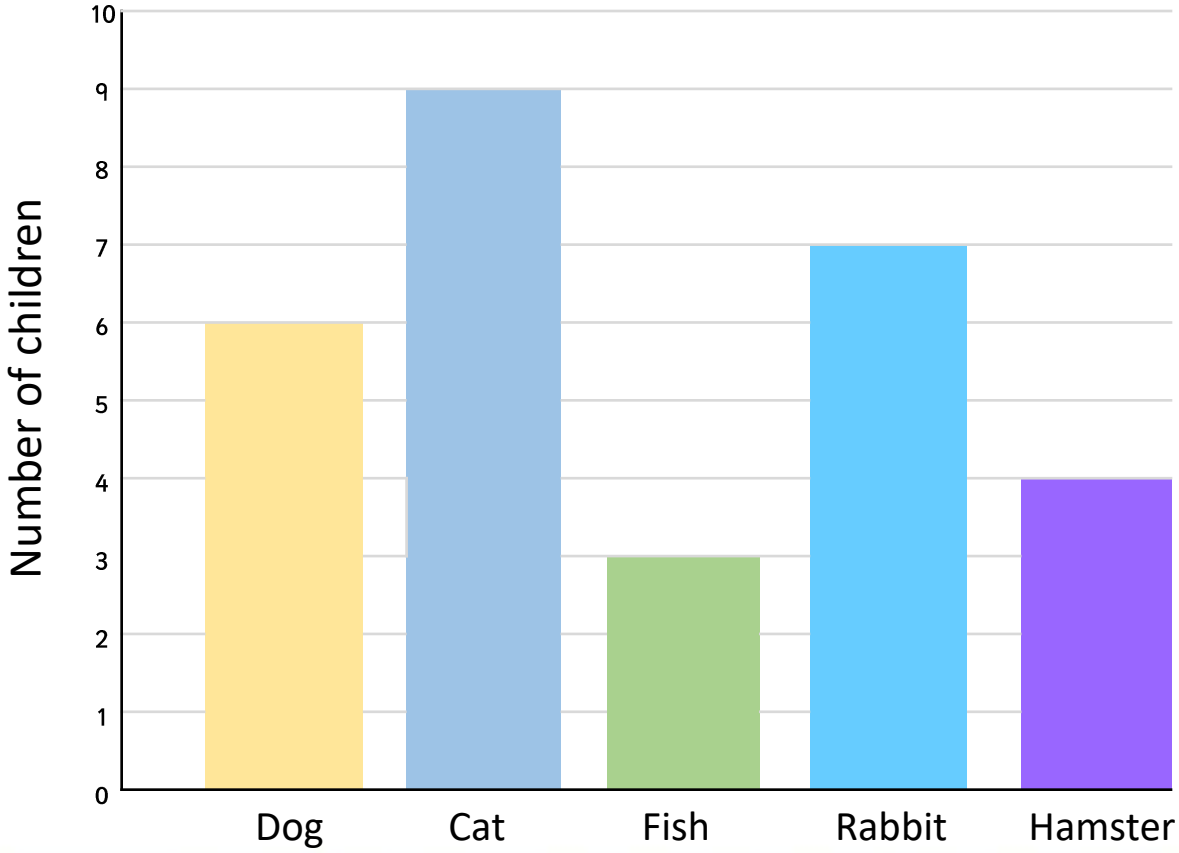
Here is the same bar chart with the scale counting up in 2s.

If there is an odd number, we have the bar stopping half way between the numbers.



Class Pets

Be creative! Can you think of some questions about this chart?



Graphs and Charts

Well done! Now, let's look closer to those charts and answer or create more questions!

Continue with Activity Sheet 1!