




Statistics- Interpreting charts

- This week in maths we will be looking at statistics. This is all about how we can organise and compare information in a mathematical way.
- You may have come across pictograms , bar charts, pie charts , and line graphs. Today we will be looking mainly at **pictograms and Bar charts** .




What are **pictograms** ?


A **pictogram** is a chart that uses pictures to represent data. **Pictograms** are set out in the same way as bar charts, but instead of bars they use columns of pictures to show the numbers involved.

Ice cream flavour	Number of ice creams sold
vanilla	
chocolate	
strawberry	
mint choc	

Interpret charts

- 1 The pictogram shows the number of ice creams sold in a shop.


Ice cream flavour	Number of ice creams sold
vanilla	
chocolate	
strawberry	
mint choc	

Key  = 2 ice creams

a) How many vanilla ice creams were sold?



Ice cream flavour	Number of ice creams sold
vanilla	
chocolate	
strawberry	
mint choc	

Key  = 2 ice creams

b)




The shop sold
6 chocolate ice creams.

What mistake has Annie made?

1

Ice cream flavour	Number of ice creams sold
vanilla	
chocolate	
strawberry	
mint choc	

Key  = 2 ice creams

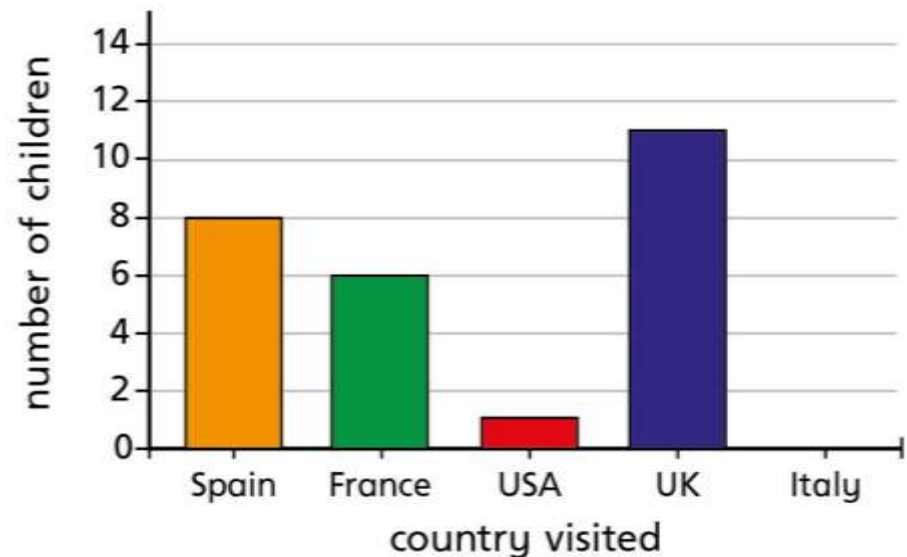
- c) How many chocolate ice creams were sold?
- d) How many strawberry ice creams were sold?
- e) Seven mint choc ice creams were sold.
Complete the pictogram to show this.



**1 full ice cream picture represents
2 ice creams. Half an ice cream
picture will represent 1 ice cream.**

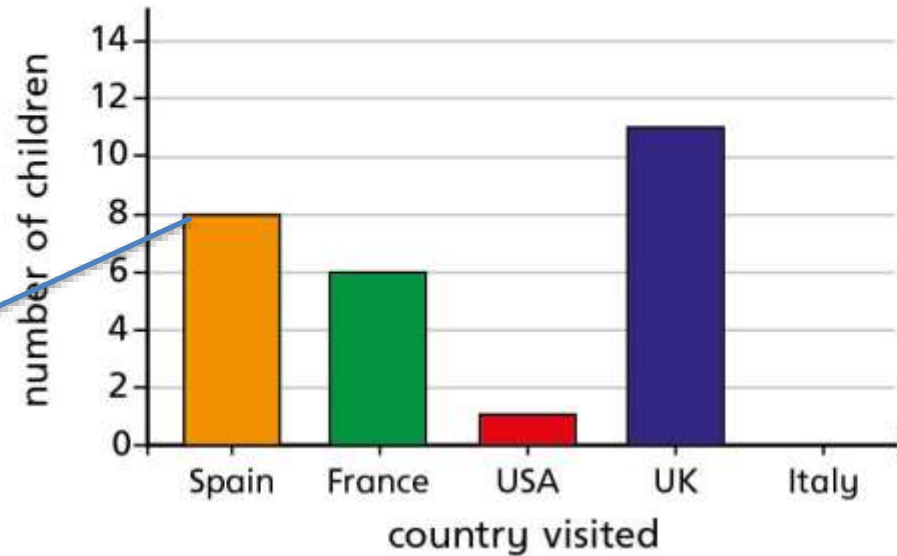
Bar charts

- Is a graphical display of data using **bars** of different heights.
- Look at this example, The numbers along the side (y axis) represents the number of children.
- The bottom part of the chart represents the different countries visited by some of the children.



2

The bar chart shows the number of children who went on holiday to some different countries.



You can see how many children visited Spain by seeing where the bar ends/stops. We can see the bar stops at 8. so we know that there are 8 children who visited Spain.

a) Complete the table using the information in the bar chart.


Country	Number of children visiting
Spain	
France	
USA	
UK	
Italy	



2

b) Complete the pictogram using the information in the bar chart.

Country	Number of children visiting
Spain	
France	
USA	
UK	
Italy	

Key  = 4 children



3

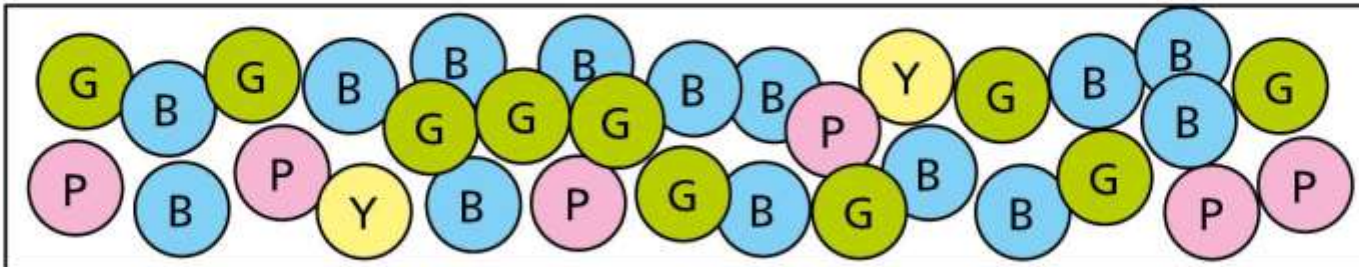


Chart A

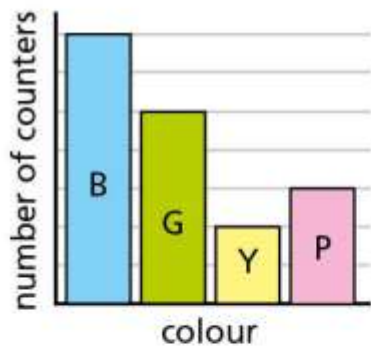


Chart B

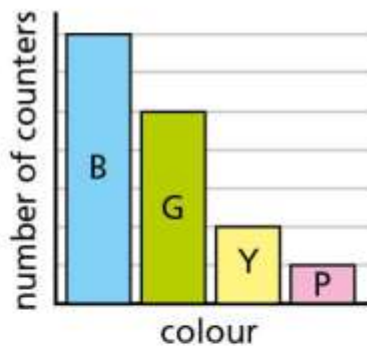
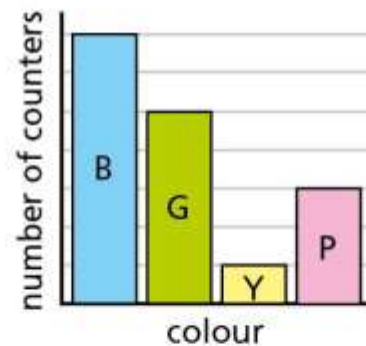


Chart C



Which chart best represents the picture? _____

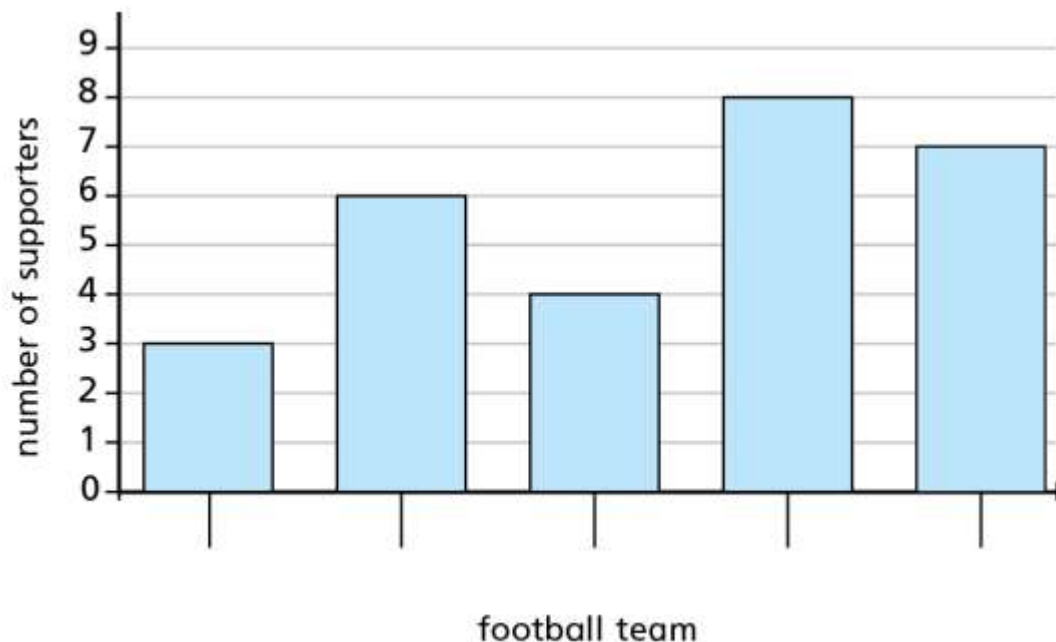
Talk to a partner about the reasons for your choice.





4 Use the clues to label the bar chart.

- The number of Huddersfield Town supporters is half the number of Halifax Town supporters.
- More people support Halifax Town than support any other team.
- More people support Manchester United than Leeds United.
- There is 1 less supporter of Bradford City than Halifax Town.



Bradford City

Huddersfield Town

Halifax Town

Leeds United

Manchester United



5 Four classes of children were asked what their favourite animals are. Match the tables to the charts.

Class A	
dog	8
cat	2
rabbit	7
snake	12

Class B	
dog	4
cat	1
rabbit	3
snake	4

Class C	
dog	4
cat	1
rabbit	6
snake	8

Class D	
dog	8
cat	2
rabbit	7
snake	3

