

## I can collect, organise and present data.

### Example

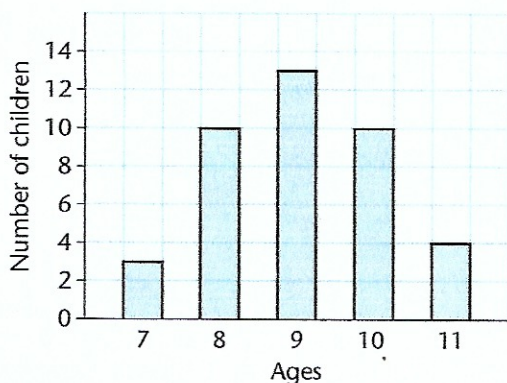
The ages of children in a Junior Football Club.

9	10	7	8	8	11	9	10
9	10	10	9	8	10	9	9
7	8	10	9	9	10	9	8
11	9	8	10	7	8	10	8
8	9	11	8	9	11	10	9

A tally chart showing the ages:

Age	Tally	Total
7	—	3
8	—	10
9	—	13
10	—	10
11	—	4

The ages in the tally chart can be presented in a bar chart or pictogram.



The same children can be sorted by age and gender into a Carroll diagram.

	boys	not boys
over 9	8 children	6 children
not over 9	14 children	12 children

## A

- 1 A cafe sold bottles of orange, cola, lemonade and blackcurrant. In one morning they sold the following bottles.

O	C	B	O	L	C	O
B	O	C	L	C	O	B
O	C	O	L	B	O	C
L	B	C	O	C	B	O

- a) Copy and complete the tally chart.

Drinks	Tally	Total
Blackcurrant		6
Cola		
Lemonade		
Orange		

- b) Draw a pictogram to present the results. Use one symbol to represent 2 bottles.

- 2 The children in Class 4 chose the musical instrument they would like to learn to play from guitar, piano, cello or violin. These are the results.

C	P	C	G	C	V	P
P	G	C	P	V	C	C
V	C	P	V	C	G	P
P	C	V	C	G	P	C

- a) Organise the results by making either a frequency table or a tally chart.
- b) Present the results in a bar chart labelled in 2s.

