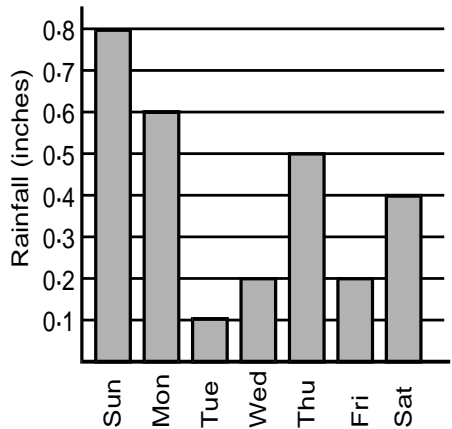


# Statistics

## Graphs

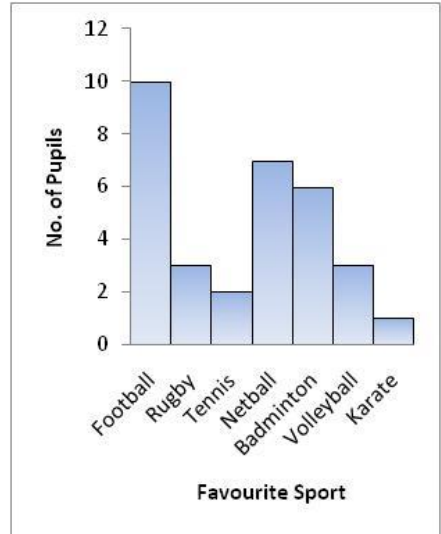
### Exercise 1- Bar Graphs and Histograms

- 1) This bar graph gives the amount of rain which fell on each day of a week.
- a) Which day had the highest rainfall?
  - b) Which day had the lowest?
  - c) On what days did the same amount fall?
  - d) Give the rainfall for each day?
  - e) What was the total rainfall for the week?



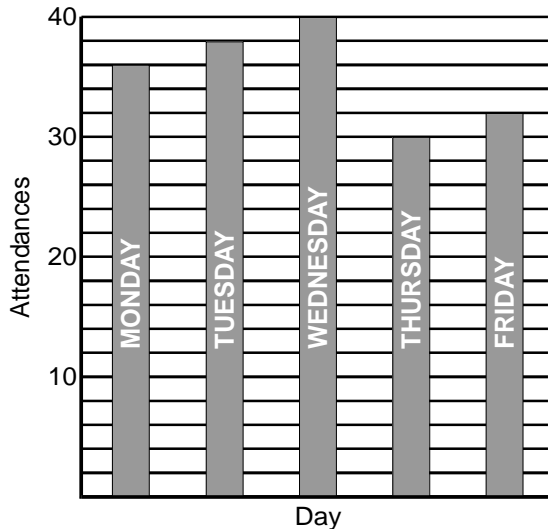
2) A histogram shows the favourite sports played by 4C1.

- a) How many pupils chose football as their favourite sport?
- b) How many preferred badminton?
- c) What was the total amount of pupils in the class?
- d) How many pupils chose a **racket** sport?
- e) How many pupils' favourite sports are played using a ball?



3) Here is a bar chart showing class attendance for one week.

- a) Which day had the best attendance?
- b) Which day had the lowest attendance?
- c) What was the total attendance for the week?
- d) What was the **average** attendance?



4) This Bar Chart was made following a survey of an S4 class asking the pupils their favourite subject and their 2<sup>nd</sup> favourite subject.

a) How many pupils are in the class (careful)?

b) How many pupils chose Maths as their favourite subject?

c) How many pupils chose Maths as their 2<sup>nd</sup> favourite subject?

d) How many pupils chose PE as their favourite or their 2<sup>nd</sup> favourite subject?

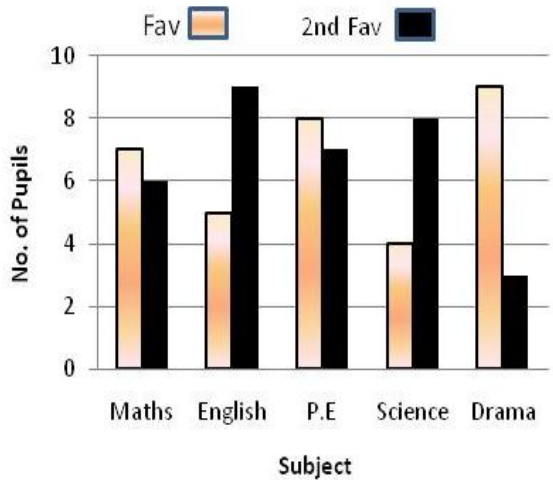
e) How many people did not choose Drama as either their favourite or 2<sup>nd</sup> favourite subject?

f) Calculate the percentage of pupils for all the favourite subjects.

g) Calculate the percentage of pupils for all the 2<sup>nd</sup> favourite subjects.

h) Does the total of (f) and (g) equal 200?

Discuss this result with your partner.



5) Working with a partner survey your class to find each pupil's favourite fruit. Now make a Bar Chart showing the information.