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\textsuperscript{nd} 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\textsuperscript{nd} favourite subject?

d) How many pupils chose PE as their favourite or their 2\textsuperscript{nd} favourite subject?

e) How many people did not choose Drama as either their favourite or 2\textsuperscript{nd} favourite subject?

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

g) Calculate the percentage of pupils for all the 2\textsuperscript{nd} 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.
Exercise 2- Pie Charts

1) This pie chart shows the results of a survey into brands of coffee bought by 900 people. Use the pie chart for information and calculate the number of people who buy each brand of coffee.

2) The table above shows information on 240 people who were asked what their favourite hobby was.

Copy and complete this table and then display the information on a Pie Chart.