1. Calculate the mean, median, mode and range for the following sets of data.

(a) 2, 3, 5, 7, 7, 7, 8, 9, 9, 11

(b) 5, 11, 6, 4, 10, 8, 7, 9, 8

(c) 2.5, 3.2, 4.7, 1.8, 6.3, 5.2, 3.11

2. The stem and leaf diagram shown here displays the total score from three darts.

(a) What is the lowest score?

(b) What is the highest score?

(c) Write down the modal score.

(d) Calculate the range.

(e) Calculate the median value.

0	0	9				
1	1	8	9			
2	2	4	5	7	9	
3	2	2	5	6	8	9
4	4	7	9			
5	1	4				

Key: 3|1 means 31

n = 21

3. A class picked their favourite flavour of ice cream. The results are shown here.

Flavour	Frequency
Vanilla	2
Mint	6
Raspberry	5
Chocolate	7
Strawberry	4

(a) Copy the table and add a column for angle in the pie chart.

(b) Draw and label the pie chart accurately.

4. The shoe sizes of a class of 20 pupils are as follows;

4, 5, 8, 3, 7, 6, 7, 4, 5, 6, 7, 6, 6, 8, 5, 6, 6, 8, 7, 5

(a) Draw a frequency table for the shoe sizes shown.

(b) Use your table to draw a neatly labelled bar graph.

5. The mean age of a group of ten college students is 17.

Another member joins the group and the average age increases to 20.

What is the age of the new member of thr group?

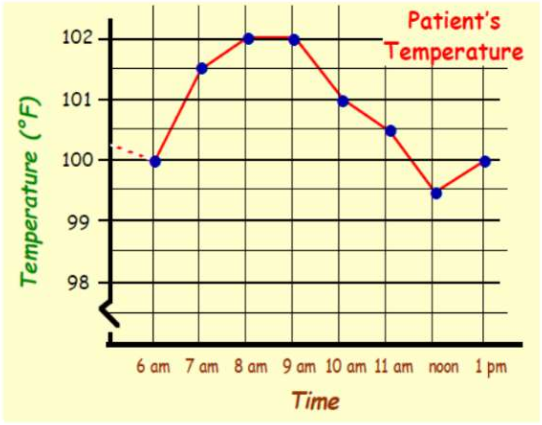
6. The line graph shows a patients temperature.

(a) What is the lowest temperature?

(b) What was the temperature at 10am?

(c) What is the difference between the highest and lowest temperature?

(d) Between which two times did the temperature rise the fastest?



7. What is the probability of picking a red queen from a standard deck of 52 cards?

8. A 12 sided spinner is used in a board game.

Calculate the probability of:

(a) Spinning an even number.
(b) Spinning a prime number.
(c) Spinning a square number.