KS3 Year 9 Mathematics

Data Analysis Assignment -2

Assignment Questions

Data Analysis-2

Q1 : The times in seconds taken by 12 students to solve a puzzle are used in order:

2 , 4 , 5 , 5 , 5 , 7 , 7 , 8 , 10 , 11 , 12 , 14

Draw a box plot for this data.

Q2: Data shows the distance, d (km) from a shopping centre.

Distance, d (km)	Frequency
0 ≤ d < 5	8
5 ≤ d < 10	22
10 ≤ d < 15	25
15 ≤ d < 20	18
20≤ d < 25	14
25 ≤ d < 30	3

Draw the histogram for this data.

Q3: Thomas has carried out a survey of same students' favourite sport.
Here are the results.

Favourite sport	Number of boys	Number of girls
Swimming	8	10
Football	16	4
Hockey	6	12
Tennis	12	14
Cricket	14	18

Draw the compound bar chart for this data.

Q4: A vet has recorded the weights of dogs examined for annual health checks.

Weight (w, kg)	Frequency (f)
10 ≤ w < 13	8
13 ≤ w < 16	10
16 ≤ w < 19	16
19 ≤ w < 22	8
22≤ w< 25	9

   a) Calculate the mean weight of the dogs.
   b) Draw the histogram for the data.