Foundation Homework 59 : Data

1. Here is a set of data.

4	5	10	5

Work out the final card number if the set have:

- Median = 5
- Range = 6
- Mean = 6

5

.....

(3 marks)

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2. Here is some data.

10.6	11.4	12.9	10.5	12.6	11.1
12.0	13.2	11.6	10.7	13.5	13.1
12.9	10.5	13.6	12.8	11.6	11.2

(a) Use this data to draw a stem and leaf diagram below.

10	5 5 6 7
11	1 2 4 6 6
12	0 6 8 9 9
13	1 2 5 6

Key

13 | 5 = 13.5

(b) Calculate the range.

30

.....

(c) Calculate the median

118

.....

(4 marks)

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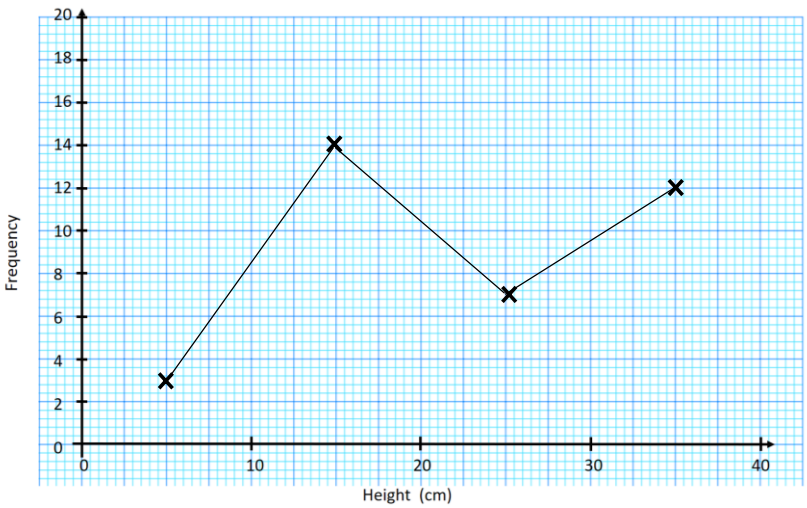
3. A frequency polygon has been drawn for the table below.

Height (cm)	Frequency
0 < h ≤ 10	3
10 < h ≤ 20	14
20 < h ≤ 30	7
30 < h ≤ 40	6



(a) What mistake is made.

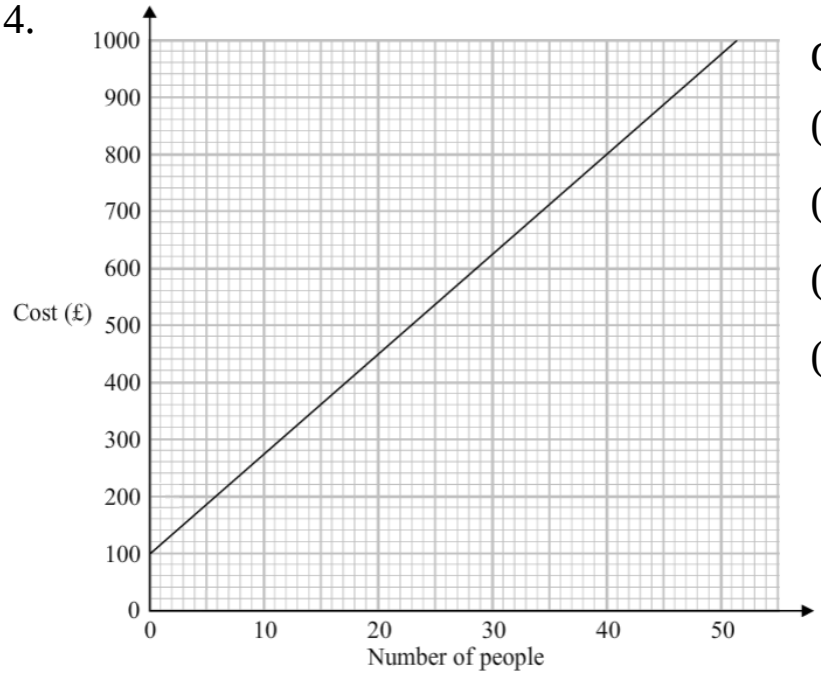
They have plotted 12 instead of 6 for the 30 < h ≤ 40 group

.....

(2 marks)

Foundation Homework 59 : Data

4.



Convert

(i) 40 people ..... £800 .....

(ii) £200 ..... 6 people .....

(iii) 25 people ..... £540 .....

(iv) £820 ..... 41 people .....

(4 marks)

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5. The table show the weights of a group of horses.

Weight (kg)	Frequency
$20 < w \leq 24$	7
$24 < w \leq 28$	15
$28 < w \leq 32$	19
$32 < w \leq 36$	11

(a) State the modal class interval. ..... $28 < w \leq 32$ .....

(b) Find the group that contains the median. ..... $28 < w \leq 32$ .....

(c) Estimate the mean. ..... 28.6 .....

(5 marks)

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6. Connor takes 15 minutes to get to the gym.
His average speed is 40 mph.
How far away is the gym?

..... 10 miles .....

(2 marks)

Score =