

1. Here is a set of data.

5 2 8 13 5 10 6

Work out the,

(i) Median

.....6.....

(ii) Mode

.....5.....

(iii) Range

.....11.....

(iv) Mean

.....7.....

(5 marks)

2. Here is a list of ages of 20 people in a clothes store.

24 13 32 8 22 15 11 9 31 18
30 7 15 23 12 24 29 25 19 20

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

```

0 | 7 8 9
1 | 1 2 3 5 5 8 9
2 | 0 2 3 4 4 5 9
3 | 0 1 2
    
```

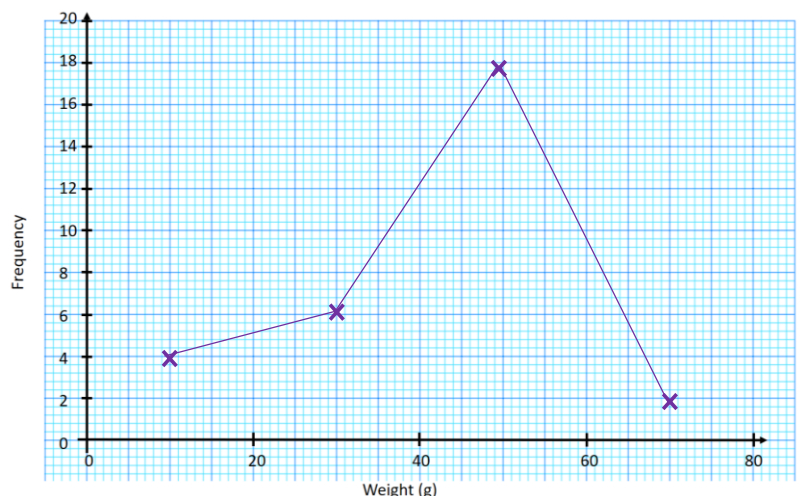
Key

2 | 3 = 23

(3 marks)

3. The table show the time it took 40 employees to get to work.

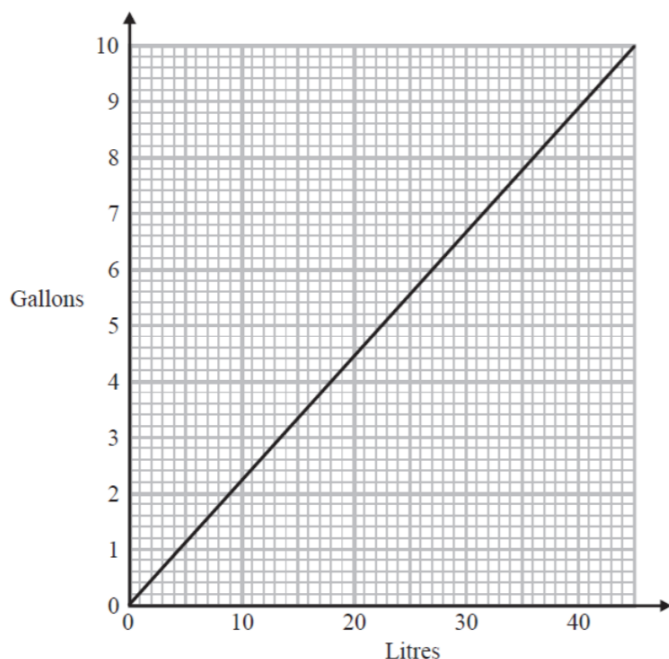
Time (minutes)	Frequency
$0 < t \leq 20$	4
$20 < t \leq 40$	6
$40 < t \leq 60$	18
$60 < t \leq 80$	2



Draw a frequency polygon of this data.

(2 marks)

4.



Convert

(i) 20 litres

4.4 gallons

(ii) 6 gallons

27 litres

(iii) 40 litres

8.8 gallons

(iv) 24 gallons

108 litres

(4 marks)

5. The table show the time it took 30 employees to get to work.

Time (minutes)	Frequency
$0 < t \leq 20$	4
$20 < t \leq 40$	6
$40 < t \leq 60$	18
$60 < t \leq 80$	2

(a) State the modal class interval.

$40 < t \leq 60$

(b) Find the group that contains the median.

$40 < t \leq 60$

(c) Estimate the mean. $\frac{1260}{30}$

42

(5 marks)

6. Mark is going to a concert which is 40 km away.

His average speed on the journey was 80 kmph, how long will it take him to get there?

30 minutes

(2 marks)

Score =