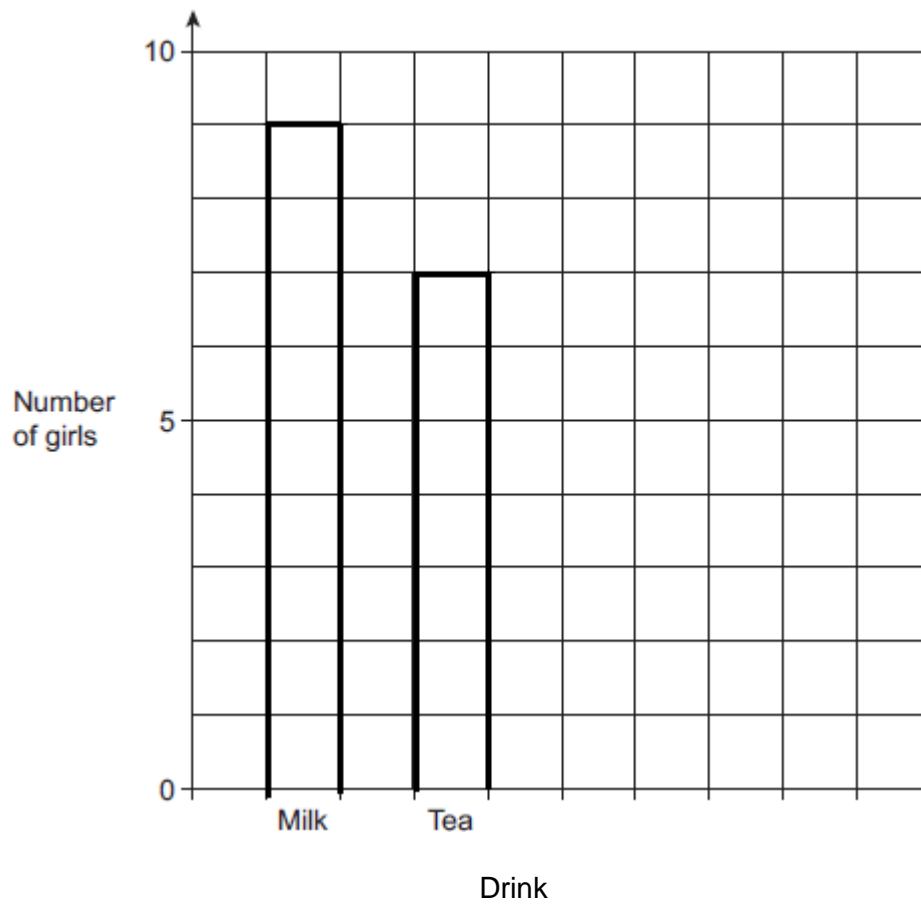


Q1. The table shows the favourite drinks of 25 girls.


| Drink           | Milk | Tea | Coffee | Juice |
|-----------------|------|-----|--------|-------|
| Number of girls | 9    | 7   | 4      | 5     |

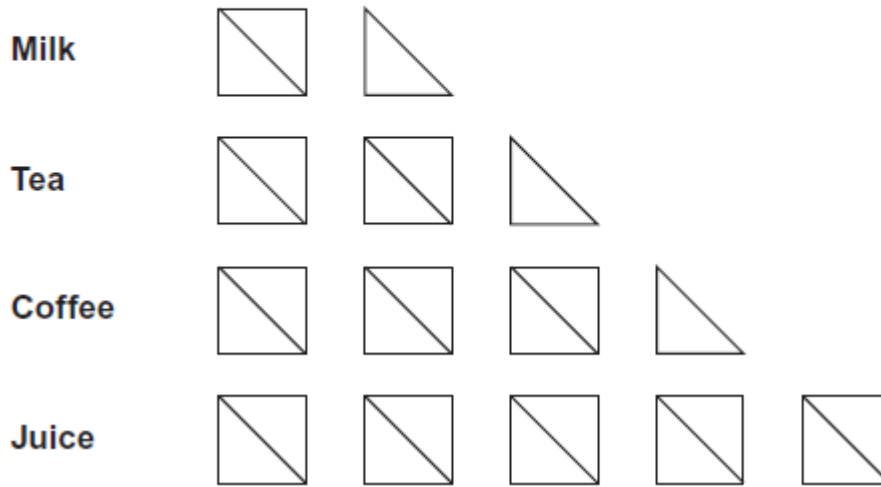
(a) Complete the bar chart to show this information.



(2)

(b) The pictogram shows the favourite drinks of 25 boys.

Key  = 2 boys



How many **more** boys than girls prefer coffee?

.....

.....

.....







Answer .....

(3)  
(Total 5 marks)

**Q2.** Some girls and boys voted for an extra lunchtime sport.

Key:  represents 4 votes



|          |   |          |   |
|----------|---|----------|---|
| Cricket  |  | Cricket  |  |
| Football |  | Football |  |
| Netball  |  | Netball  |  |

(a) How many girls voted for football?

Answer .....

(1)

(b) How many **more** girls than boys voted for cricket?

.....  
 .....

Answer .....

(2)

(c) Which sport got the most votes altogether?  
 Circle your answer.

Basketball

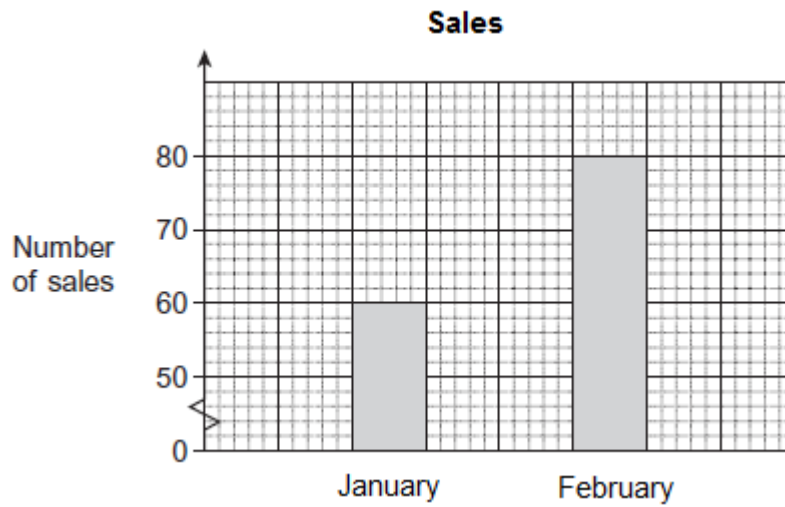
Cricket

Football

Netball

(1)  
 (Total 4 marks)

**Q3.**A company recorded the number of sales each month.



Tracey says,

“The number of sales doubled from January to February.”

Is she correct?

Show how you decide.

.....

.....

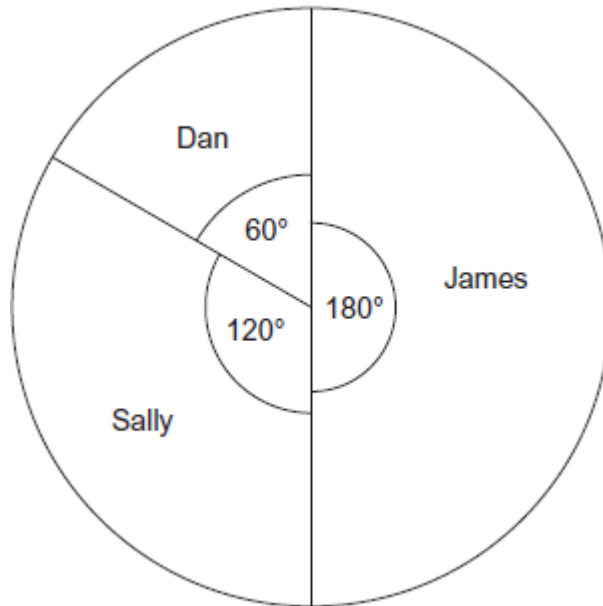
.....

(Total 2 marks)

**Q4.** Three singers took part in a TV contest.

3 000 000 people voted by telephone.

**Telephone votes**



(a) How many telephone votes did James get?

.....  
 .....

Answer .....

(2)

(b) The table shows the Internet votes for each singer.

|       | Internet votes |
|-------|----------------|
| James | 800 000        |
| Sally | 1 450 000      |
| Dan   | 150 000        |

The telephone votes and the Internet votes are added together for each singer.

Who got the most votes?  
 You **must** show your working.

.....  
 .....

.....  
Answer .....

(3)  
(Total 5 marks)

**Q5.**Amina asks 50 people,

“What is your favourite pet?  
Choose from cat, dog, rabbit or other.”

- (a) Which **two** words describe the type of data she collects from each person?  
Circle your answers.

qualitative      continuous      primary      secondary

(1)

- (b) Which **two** diagrams could she use to represent the data?  
Circle your answers.

scatter graph      pie chart      bar chart      stem-and-leaf

(1)  
(Total 2 marks)

**Q6.**A grocer has 100 boxes of strawberries.

He weighs 10 of the boxes.

Which **three** words describe the data he collects?  
Circle your answers.

continuous      discrete      sample      primary      secondary

(Total 2 marks)

**Q7.**Seema takes this typing test.

Type for one minute  
 Count the number of words typed correctly.  
 Repeat ten times.

These are her results.

67 65 59 65 70 66 62 58 63 65

(a) Work out the range.

.....

Answer ..... words

(1)

(b) Work out the mean.

.....

.....

.....

Answer ..... words

(3)

(c) Jack also takes the typing test.

His range is 18 words.

His mean is 62 words.

Seema and Jack apply for the same job.

Use the results to decide who should get the job.

Tick a box.

Seema

Jack

Give a reason for your answer.

.....

.....

.....

.....

(2)  
(Total 6 marks)

**Q8.**A company pays people to visit shops and test customer service.  
Paul works for this company.

His fees in October are shown.

| Fee (£) | Frequency |
|---------|-----------|
| 8       | 10        |
| 10      | 18        |
| 12      | 7         |
| 15      | 4         |
| 20      | 1         |

(a) Calculate his mean fee.

.....

.....

.....

Answer £ .....

(3)

(b) Paul says that his modal fee and his median fee are both £10.

Is he correct?  
Give reasons and working to show how you decide.

.....

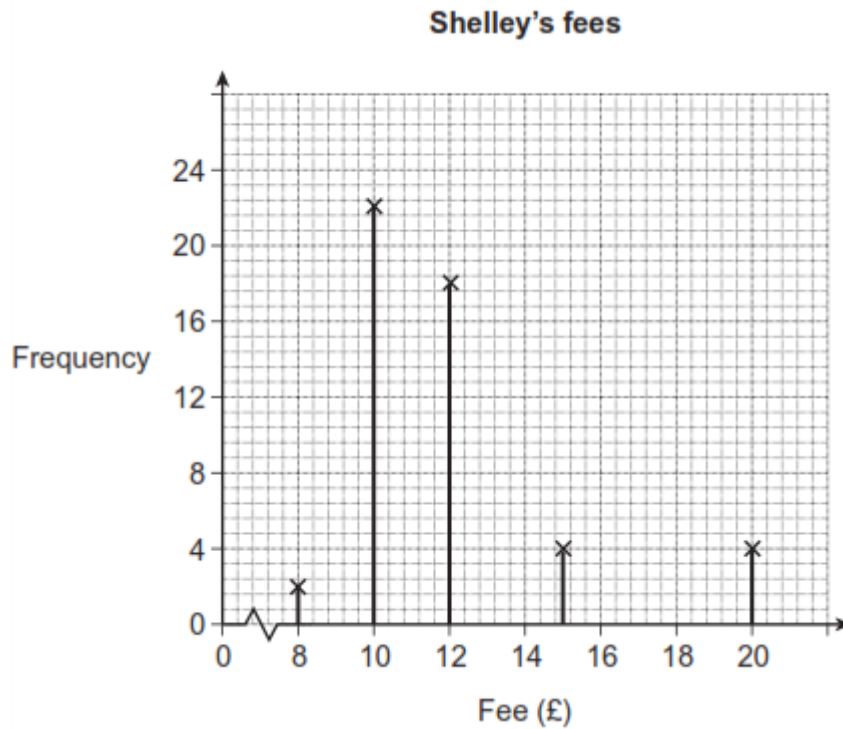
.....



.....  
 .....

(2)

- (c) Shelley also works for this company.  
 Her fees in the same month are shown.



Give **one** similarity and **one** difference in the fees of Paul and Shelley.

Similarity .....

.....

Difference .....

.....

(2)  
 (Total 7 marks)