

NAME

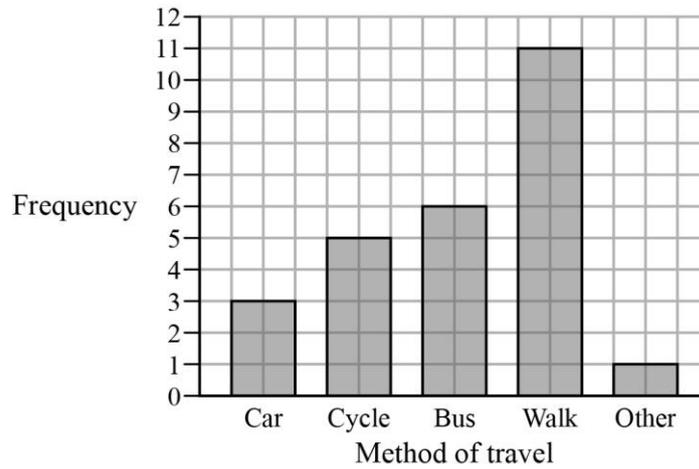
Time:

Non-Calculator Questions



1 They asked some students how they travelled to school.

She drew this bar chart to show the results.



a Write down the method of travel used most by the students.

(1 mark)

b Work out how many more students walked to school than cycled to school.

(1 mark)

c Work out the number of students They asked.

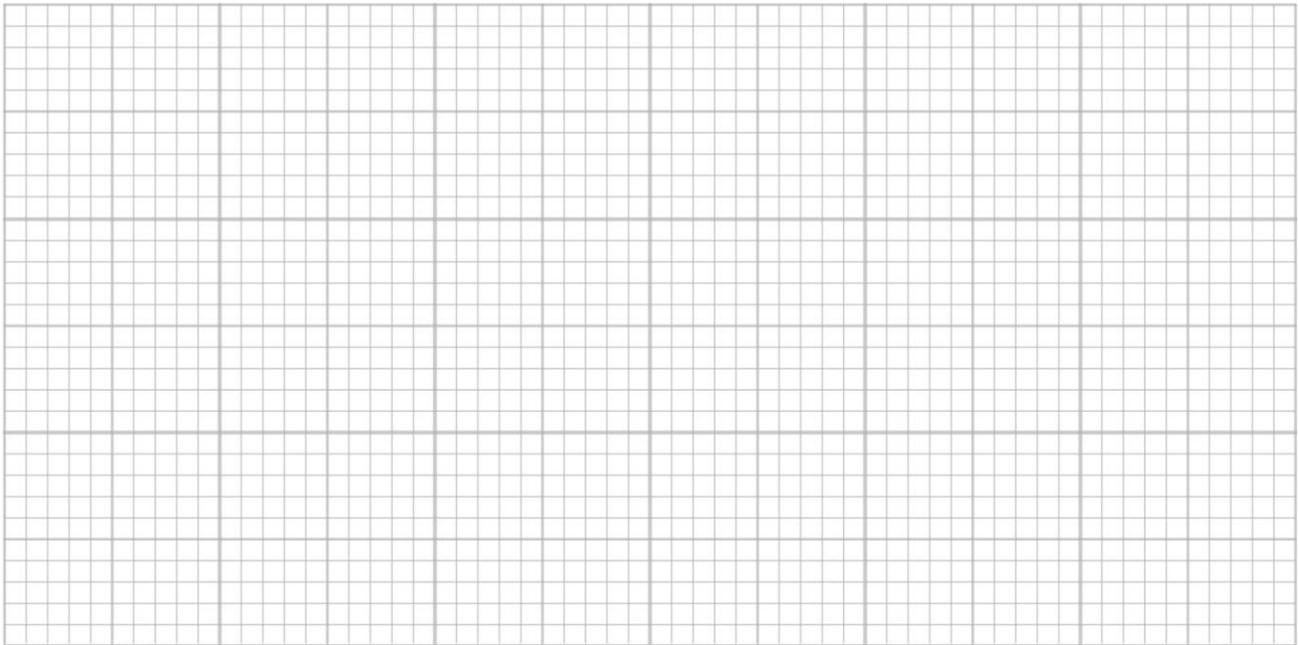
(2 marks)



- 3 The table shows some information about the sports some students like best.
Draw a suitable diagram or chart for this information.

	Football	Tennis	Badminton	Hockey
Boys	13	7	8	2
Girls	5	11	10	4

(4 marks)



- 5 This grouped frequency table records the ages of the members of a club.

Age in years (a)	Frequency
$10 \leq a < 20$	2
$20 \leq a < 30$	5
$30 \leq a < 40$	9
$40 \leq a < 50$	7
$50 \leq a < 60$	1

a Work out the total number of members.

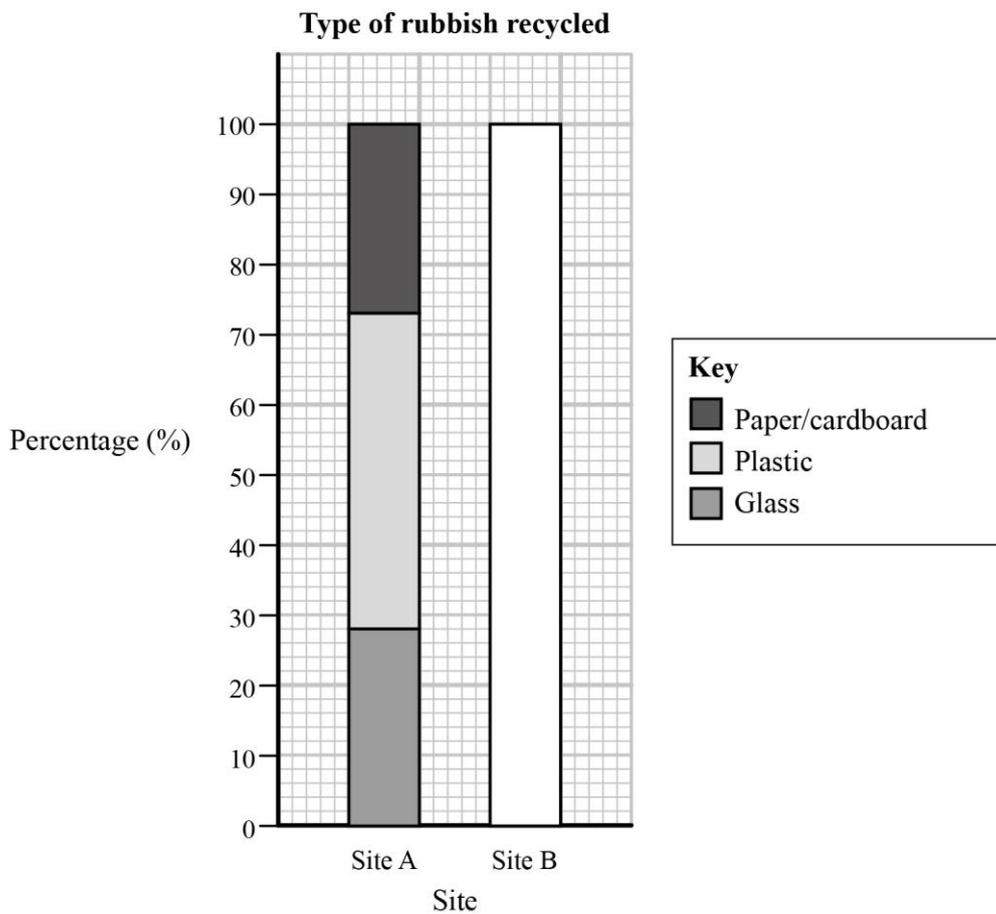
(1 mark)

b Work out the number of members less than 40 years old.

(1 mark)

7 The incomplete table and incomplete bar chart show the type of rubbish recycled at two different recycling centres.

	Site A	Site B
Paper/cardboard		36%
Plastic		34%
Glass		30%



7a Use the information from the composite bar chart to complete the table.
(3 marks)

7b Use the information from the table to complete the Site B bar on the chart.

(2 marks)



9 Complete the two-way table.

	Tea	Coffee	Squash	Total
Boys	17		23	53
Girls		8		
Total			45	100

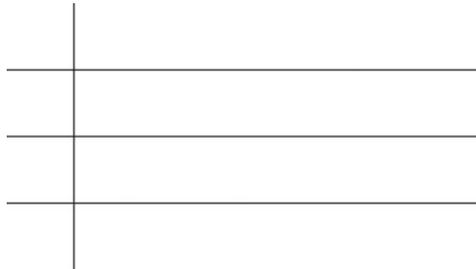
(3 marks)



11 The numbers below show the number of hits Amy had on her new blog in the first eight days.

68 72 93 75 82 61 83 71

a Draw an ordered stem and leaf diagram for this data.



(3 marks)

The stem and leaf diagram below shows the number of hits Khan had on his new blog in the first eight days.

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

Key:

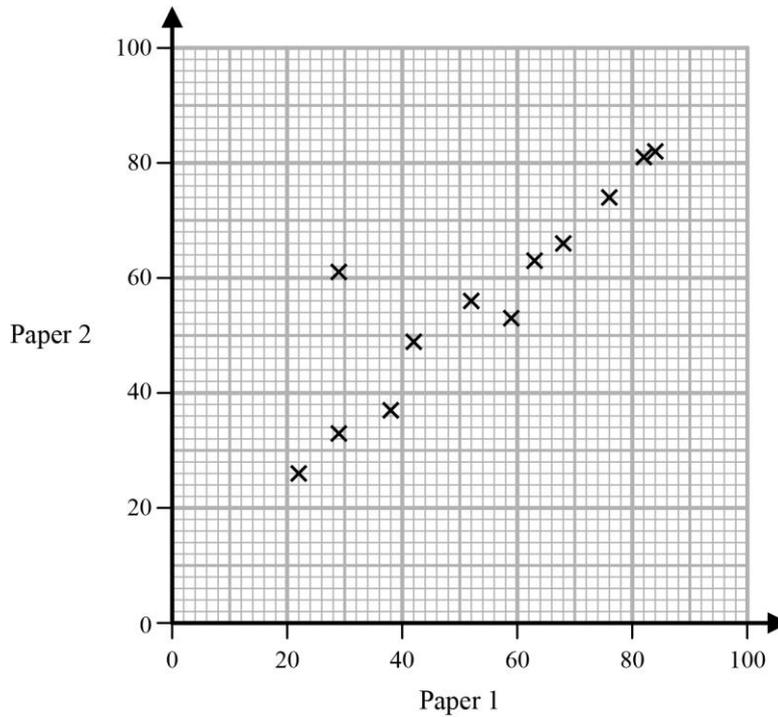
5 | 3 means 53 hits

b Write down the person whose blog was more popular and by how many.

(1 mark)

13 The scatter graph shows information about 12 students.

For each student, it shows the number of marks achieved on two different Mathematics exam papers.



One of the points is an outlier.



a Write down the coordinates of this point.

(1 mark)



b For all the other points write down the type of correlation.

(1 mark)



One student achieved 46 marks on paper 1 but was absent for paper 2.

c Estimate the number of marks this student would have achieved on paper 2.

(2 marks)



A teacher says, 'Students who achieve high marks on paper 1, achieve high marks on paper 2.'

d Does the scatter graph support what the teacher says? Give a reason for your answer.

(1 mark)

Overall mark	/27
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