

Name: _____

Exam Style Questions

Bar Charts

Pictograms

Tally Charts



Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 147 & 148

Video 161 & 162

Video 321



1. James asked his friends their favourite colour.

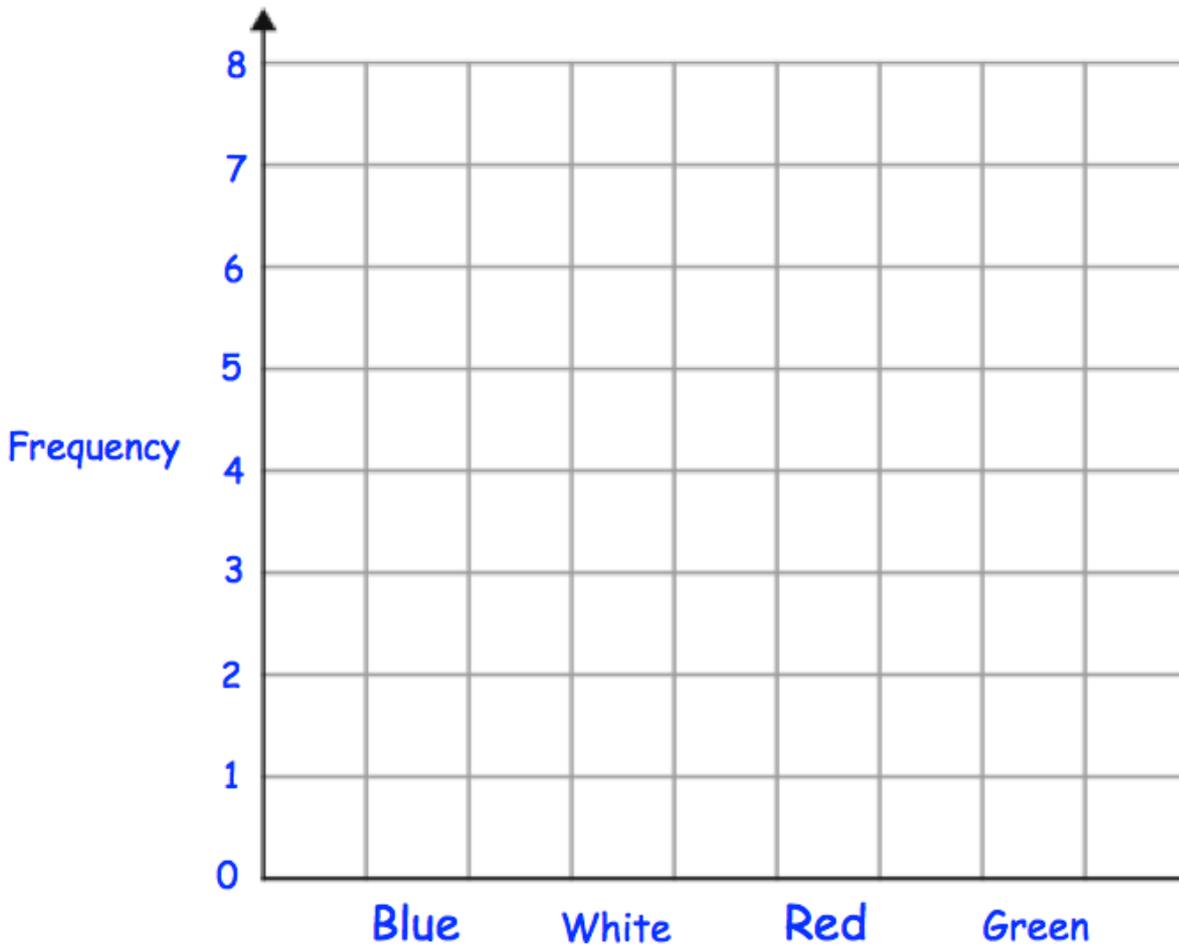
Green Blue Red Green Blue Blue
Green Red Blue White Blue Green
Red Green Blue Red Blue Green

(a) Complete the frequency table for his results.

Colour	Tally	Frequency
Blue		
White		
Red		
Green		

(2)

(b) On the grid, draw a bar chart to show this information.



(2)

2. Sophie asks 20 of her friends to choose their favourite sport.

Their replies are

Rugby Football Rugby Hockey Cricket
Football Football Rugby Hockey Football
Rugby Cricket Hockey Football Football
Football Rugby Football Football Rugby

(a) Complete the tally and the frequency columns in the table below.

Sport	Tally	Frequency
Rugby		
Football		
Hockey		
Cricket		

(2)

(b) Draw a pictogram to show these results.

Key: ○ represents 2 people

Rugby	
Football	
Hockey	
Cricket	

(2)

(c) Sort the sports in order of popularity, starting with the most popular.

.....
.....
.....
.....

(1)

3. Mollie recorded the number of text messages received on each of 18 days.

Here are her results.

7 9 9 8 9 9 10 6 9 9 7 10
9 8 8 6 7 6

(a) Complete the frequency table to show Mollie's results.

Number of texts	Tally	Frequency
6		
7		
8		
9		
10		

(2)

(b) Write down the mode.

.....
(1)

(c) Write down the range.

.....
(1)

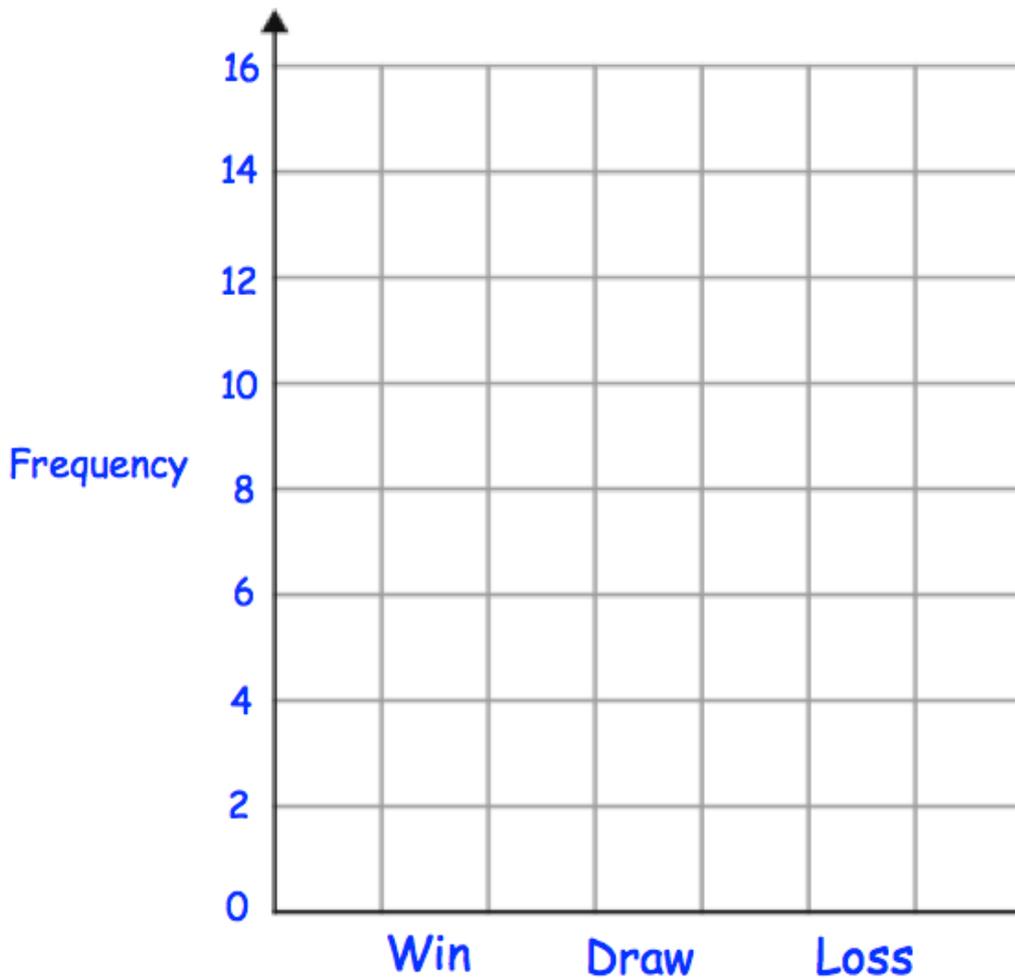
4. Cardiff Rovers Football Club played 30 games in a season.

(a) Complete the tally and frequency columns.

Result	Tally	Frequency
Win	/	
Draw		
Loss	/	

(3)

(b) Draw a bar chart to show this information.



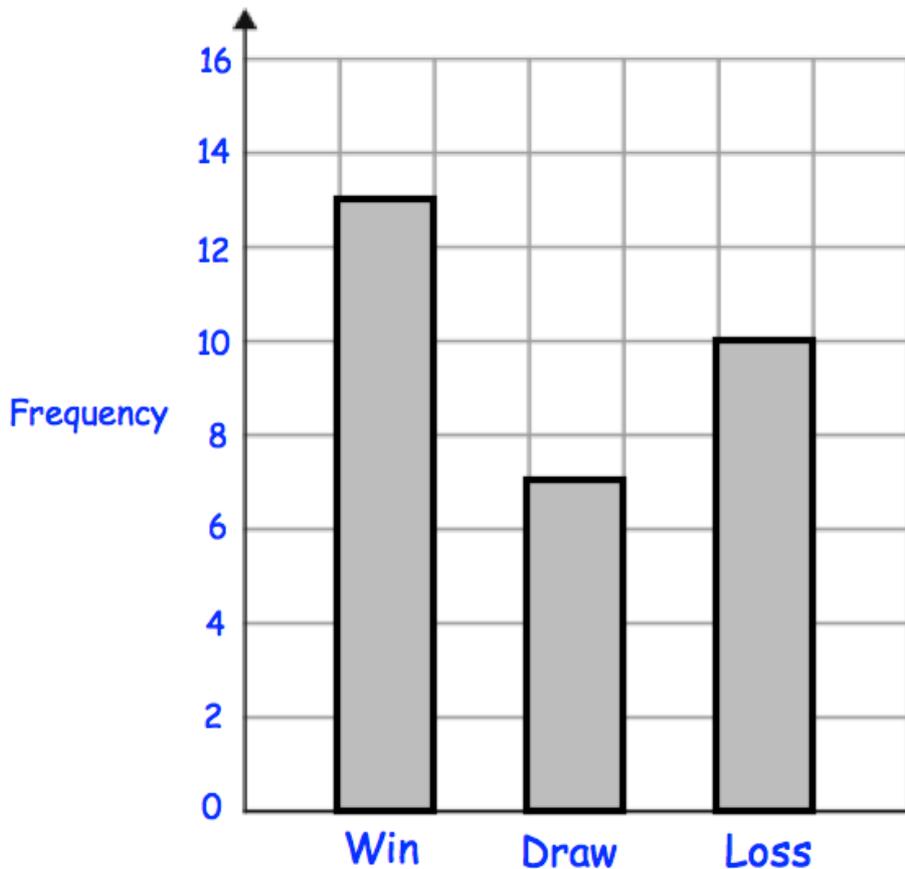
(2)

(c) What was the most common type of result for Cardiff Rovers?

.....
(1)

(d) Newport United Football Club play in the same league.

Their results in the same season are shown below.



A win is worth 3 points.
A draw is worth 1 point.
A loss is worth 0 points.

Which club finished the season with more points and by how many?

..... by points
(4)

5. A group of students were asked their favourite subject.

Here are their replies.

Maths	Art	Science	English	Art
Maths	English	Science	Art	English
Maths	Maths	Art	Maths	Science

(a) Show this information in a tally chart.

(2)

(b) Draw a bar chart to show this information.



(3)

6. A class of 20 students complete a test.
 The test is marked out of 50.
 The scores are recorded below.

34 10 19 41 22 18 28 24 50 48
 38 14 23 30 38 27 21 43 25 39

(a) Complete the tally and frequency columns in the chart below.

Score	Tally	Frequency
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 50		

(2)

(b) How many students scored between 21 - 30 marks?

.....
 (1)

(c) What fraction of the students scored 41 - 50 marks?

.....
 (1)

7. The table shows information about the number of phone calls received by some students last week.

Student	Frequency
Patrick	12
Andrew	20
David	6
George	9

Show this information on a pictogram.

Patrick	
Andrew	
David	
George	

Key:

(3)

8. The pictogram shows the amount of money raised by students in some tutor groups at a school.

Key ○ = £10

Tutor group		Raised
S	○ ○ ○ ○ ○ ○	
T	○ ○ ○	
E		£45
P	○ ○ ○ ◐	

- (a) Complete the raised column.

(2)

- (b) Complete the pictogram for tutor group E.

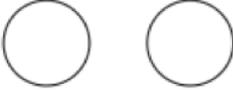
(2)

- (c) How much money was raised altogether?

£.....
(1)

9. The pictogram shows the books Claire read last year.

Key  represents 8 books

Romance	
Crime	
Horror	
Factual	

(a) How many romance books did Claire read?

.....
(1)

(b) How many horror books did Claire read?

.....
(1)

(c) How many books in total did Claire read last year?

.....
(2)

10. The number of hours of sunshine on a day, across a number of cities is shown below.

 = 2 hours of sunshine

Norwich	     
Dublin	   
Belfast	   
Aberdeen	 
Cardiff	   
Glasgow	

- (a) How many more hours of sunshine was there in Norwich than Belfast?

.....hours
(1)

In Glasgow there was 9 hours of sunshine.

- (b) Complete the pictogram.

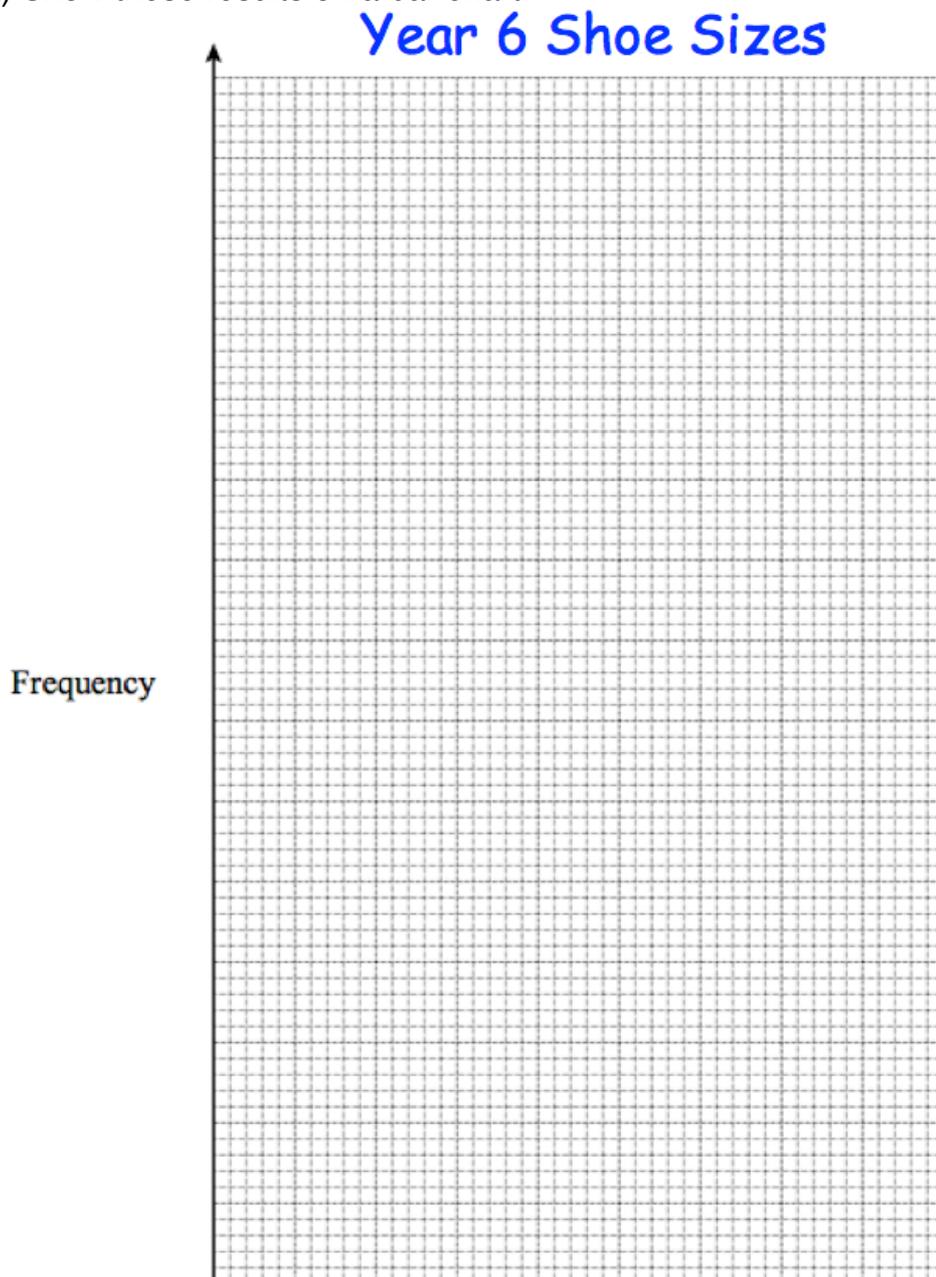
(2)

11. The shoe sizes of two classes are recorded.
One class is Year 6 and the other Year 7.

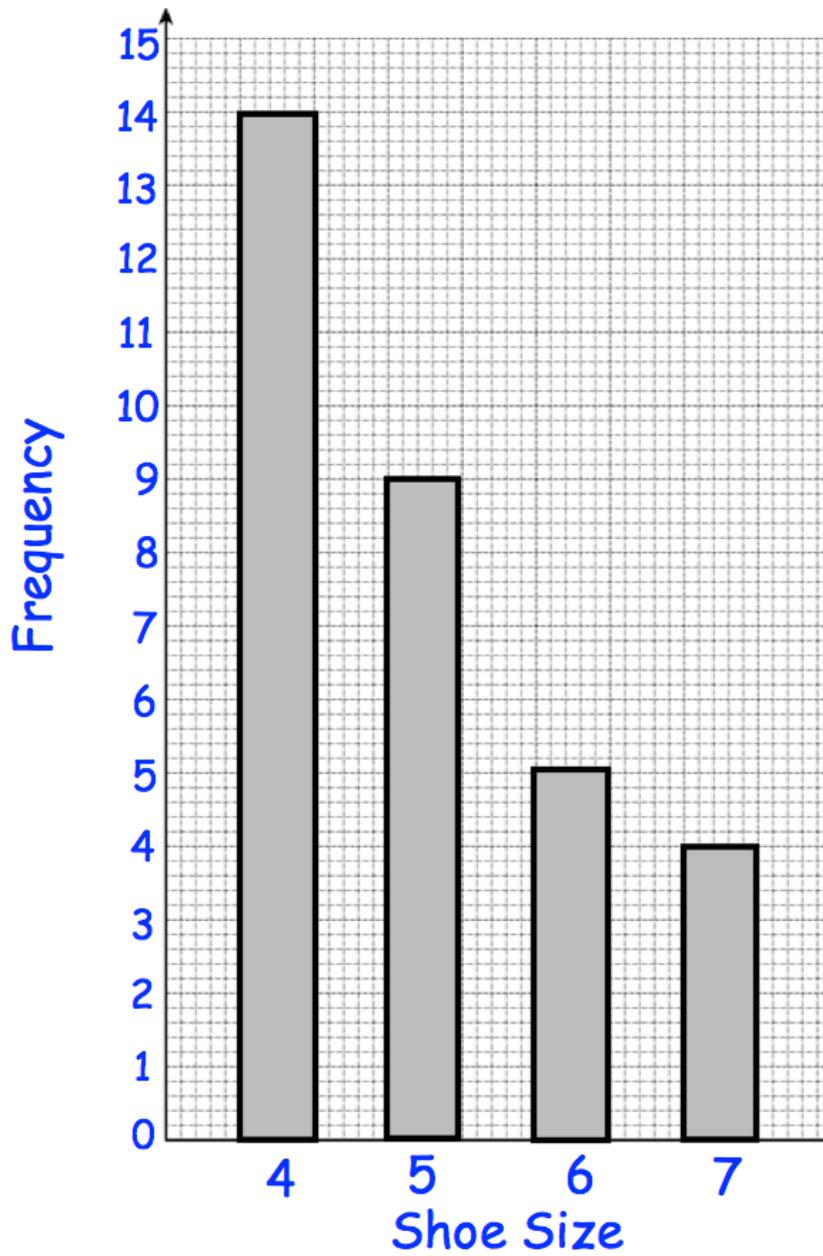
Here are the shoe size for the Year 6 class.

Shoe Size	Frequency
4	12
5	10
6	3
7	1

- (a) Show these results on a bar chart.



Here are the shoe sizes for Year 7.



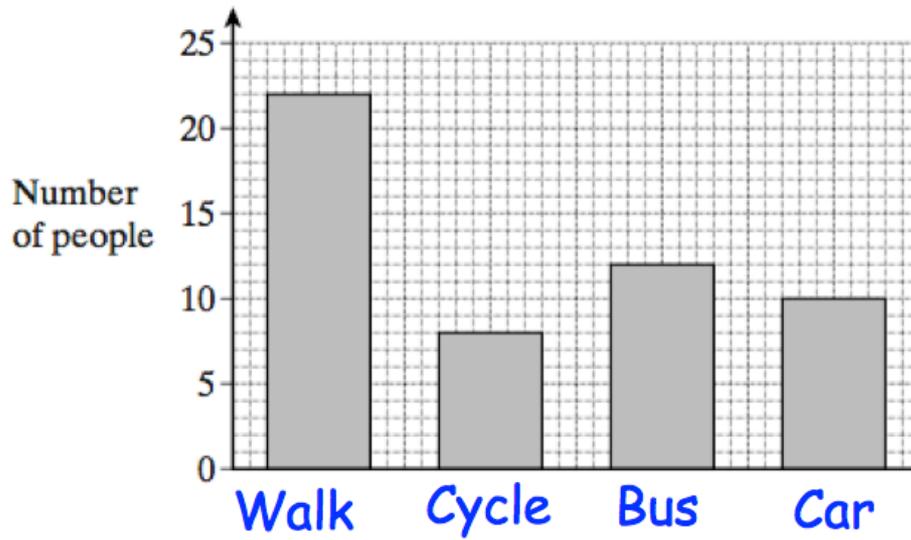
(b) How many Year 7's wear a size 5?

.....
(1)

(c) How many more Year 7's than Year 6's wear a size 7?

.....
(1)

12. A manager surveys his employees to find out how they travel to work.



(a) What is the least popular method of transport?

.....
(1)

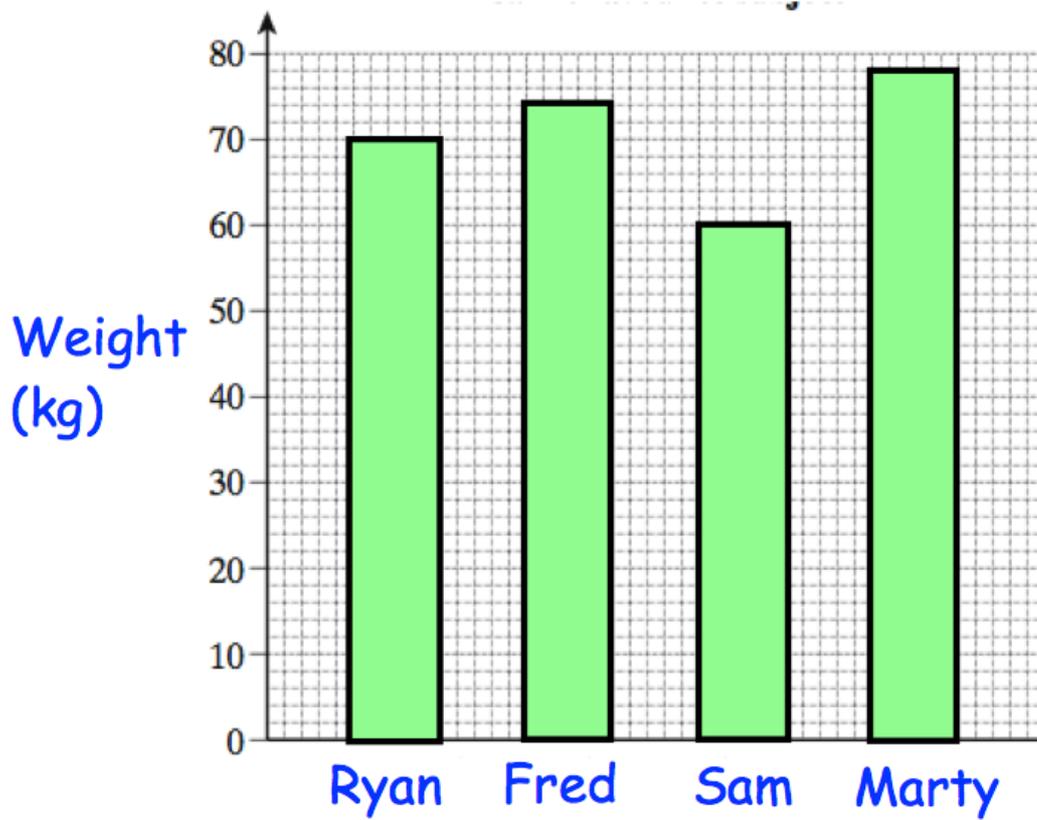
(b) What is the most popular method of transport?

.....
(1)

(c) Calculate the total number of employees.

.....
(2)

13. The weights of four athletes are displayed below.



(a) Who is the lightest athlete?

.....
(1)

(b) Write down Marty's weight.

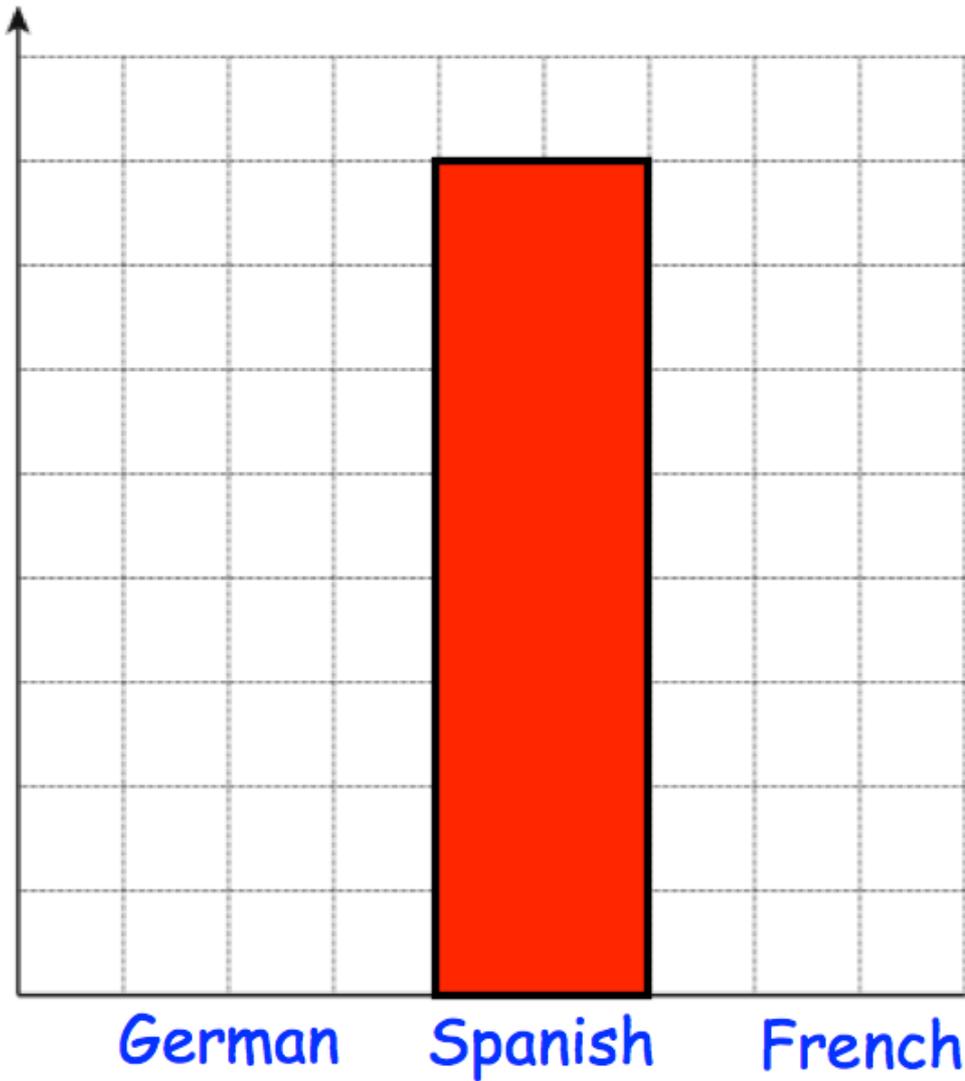
.....kg
(1)

(c) Work out the range of the weights.

.....kg
(2)

14. Miss Jackson asked the 32 students in her tutor group which language they study.

Each student studies one language only.



Half of the students in the tutor group study Spanish.
Six more students study German than French.

Complete the bar chart.