

Pictograms, Bar Charts and Vertical Line Charts

For Pearson Edexcel GCSE Mathematics (1MA1) • Foundation tier

Name _____

Total marks: **28**

Answer **all** questions in the spaces provided. Show your working: marks are given for correct method.

- 1** The pictogram shows the number of cups of coffee sold at a station kiosk on Friday, Saturday and Sunday.

Friday	
Saturday	
Sunday	
Monday	

Key:  represents 12 cups

- (a) Write down the number of cups of coffee sold on Friday.

.....
(1)

- (b) On Monday, 18 fewer cups of coffee were sold than on Saturday.
Show this information on the pictogram.

(1)

- (c) Each cup of coffee costs £2
Work out the total amount of money taken for coffee on these four days.

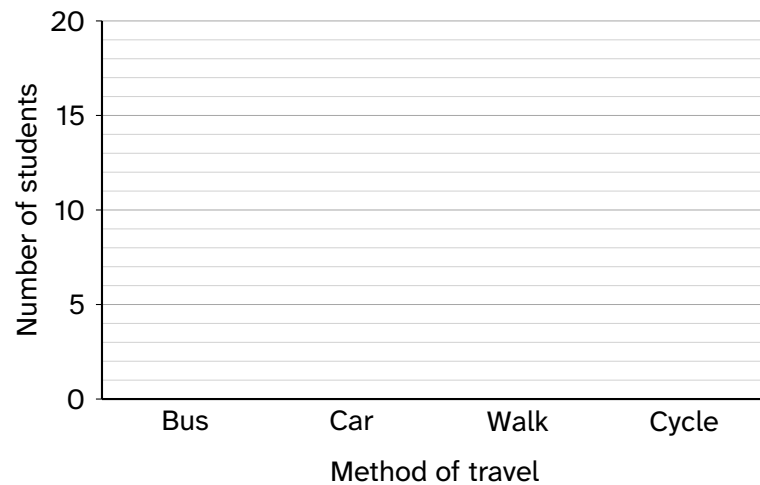
£
(2)

(Total for Question 1 is 4 marks)

- 2 The table shows how some students travel to school.

Method	Bus	Car	Walk	Cycle
Frequency	14	9	17	4

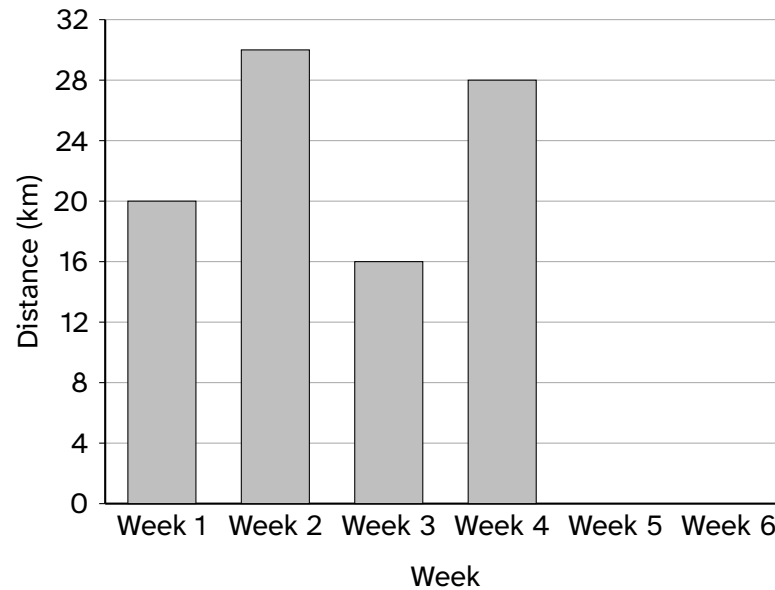
Draw a suitable diagram to show this information.



(3)

(Total for Question 2 is 3 marks)

- 3** The bar chart shows the distance Ffion cycled each week for four weeks.



- (a) In week 5, Ffion cycled 26 km.
In week 6, Ffion cycled 12 km.
Use this information to complete the bar chart.

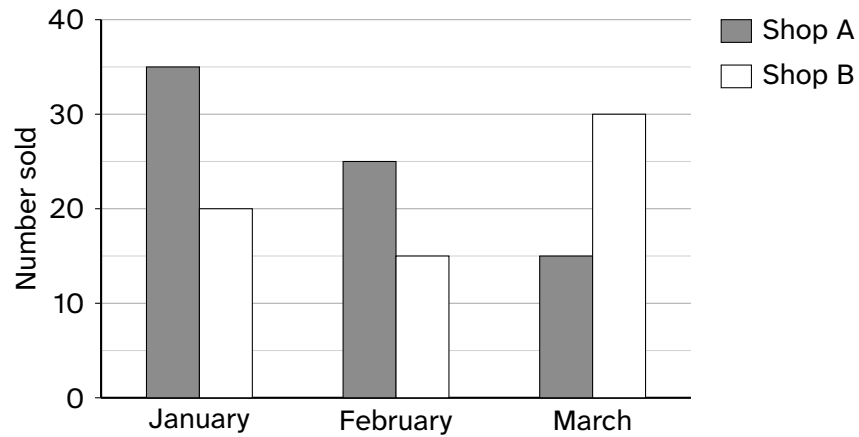
(2)

- (b) Write down the distance Ffion cycled in week 2.

..... km
(1)

(Total for Question 3 is 3 marks)

- 4 The dual bar chart shows the number of bikes sold by two shops in three months.



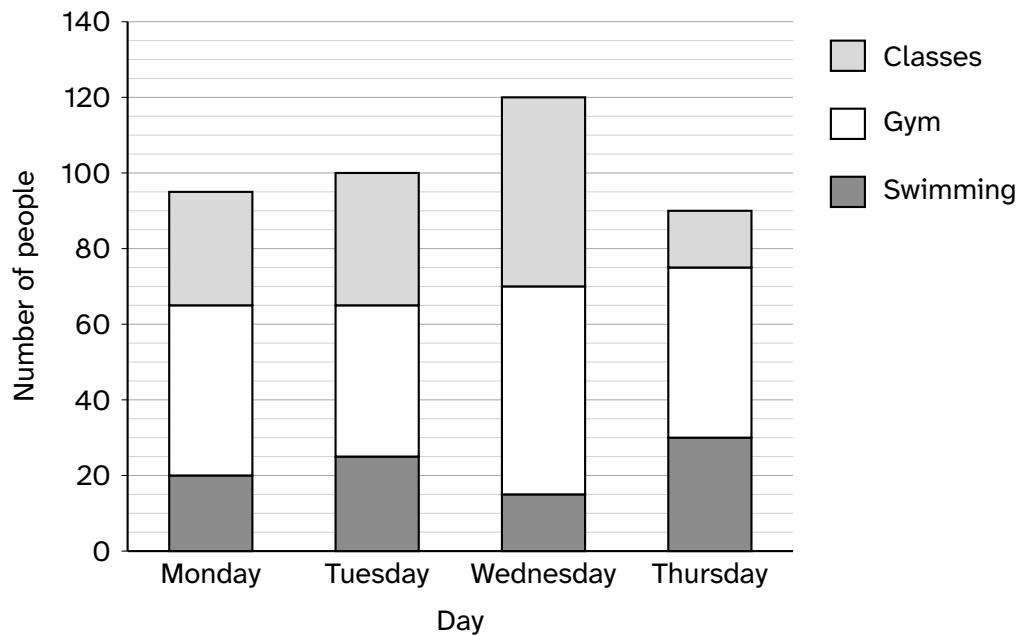
- (a) In which month did Shop *B* sell more than Shop *A*?

.....
(1)

- (b) Work out the difference between the total sales of the two shops over the three months.

.....
(2)
(Total for Question 4 is 3 marks)

- 5 The composite bar chart shows the number of people using a leisure centre on four days.
Each person did one activity: swimming, gym or classes.



- (a) Write down the number of people who used the gym on Tuesday.

.....
(1)

- (b) On which day did the most people use the leisure centre?

.....
(1)

- (c) What fraction of the people who used the leisure centre on Thursday went swimming?
Give your fraction in its simplest form.

.....
(2)

(Total for Question 5 is 4 marks)

- 6 The pictogram is not finished. It shows information about the number of people who went on boat trips on Friday and on Saturday.

Friday	
Saturday	
Sunday	
Monday	

Key:  represents people

On Saturday, 20 people went on boat trips.

On Sunday, 12 more people went on boat trips than on Friday.

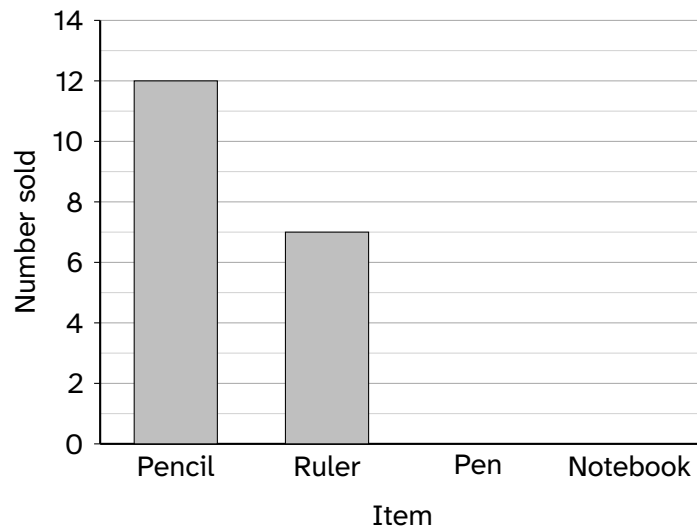
On Monday, half as many people went on boat trips as on Sunday.

Use this information to complete the pictogram and the key.

(4)

(Total for Question 6 is 4 marks)

- 7** A school shop sells pencils for 30p each, rulers for 50p each, pens for 80p each and notebooks.
- The bar chart shows the number of pencils and the number of rulers sold on one day.



On the same day, 6 pens and 9 notebooks were sold.

- (a) Use this information to complete the bar chart.

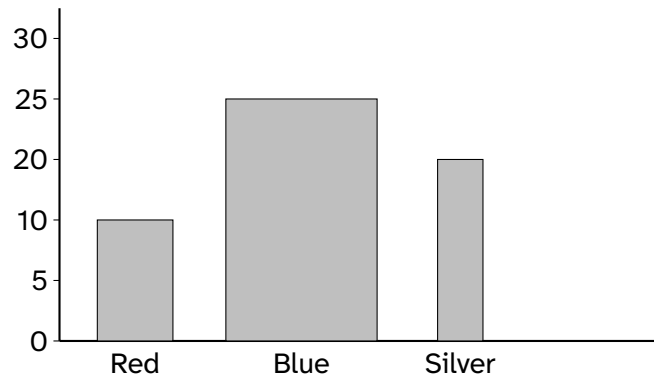
(2)

- (b) The shop took £23.60 altogether for these items.
Work out the cost of one notebook.

£
(3)

(Total for Question 7 is 5 marks)

- 8** Kim drew this bar chart to show the colours of some cars.



Write down two things that are wrong with this bar chart.

(2)

(Total for Question 8 is 2 marks)
