

6.2

Bar Charts

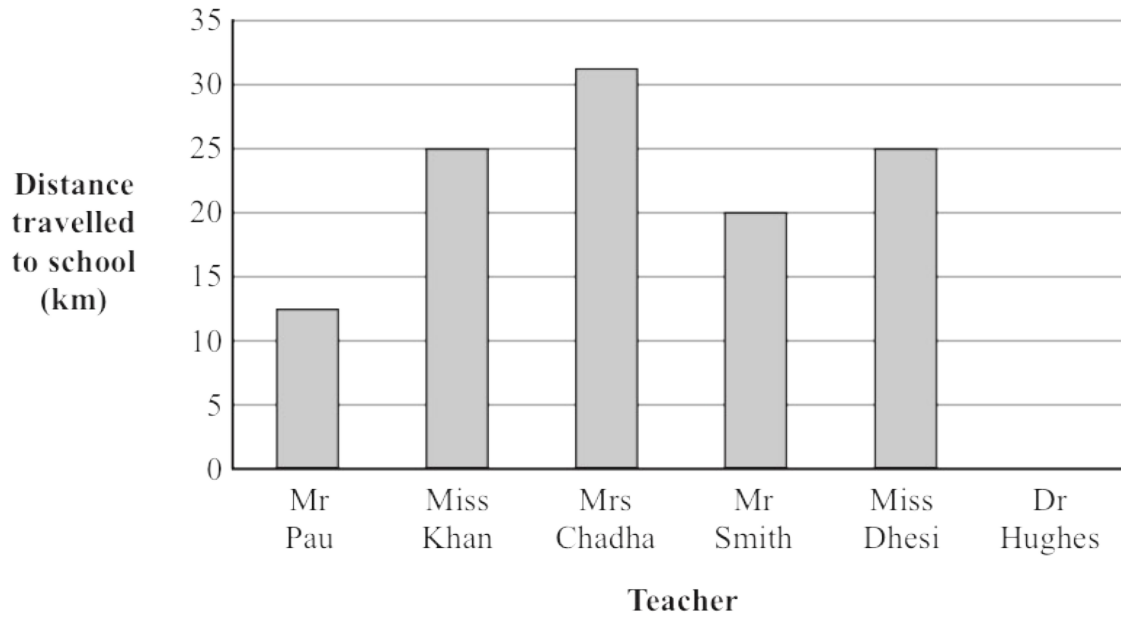
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The bar chart shows information about the distance travelled to school by each of five teachers.



Two of the teachers travelled the same distance to school.

(a) Which two teachers?

.....
(1)

Dr Hughes travelled 28 km to school.

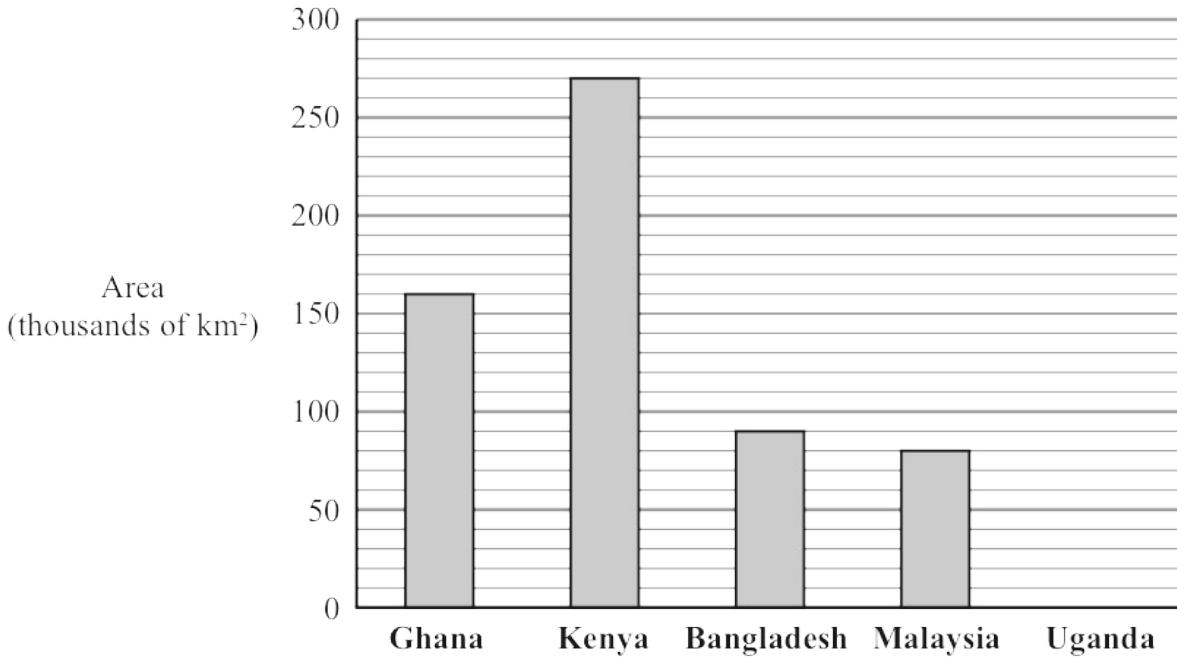
(b) Draw a bar on the bar chart for this information.

(1)

(c) Write down the name of the teacher who travelled the greatest distance to school.

.....

7 The bar chart shows information about the area of land used for farming in each of four countries in 2012



(a) Write down the area of land used for farming in Ghana in 2012

..... thousands of km²
(1)

The area of land used for farming in Kenya in 2012 was greater than the area of land used for farming in Malaysia in 2012

(b) How much greater?

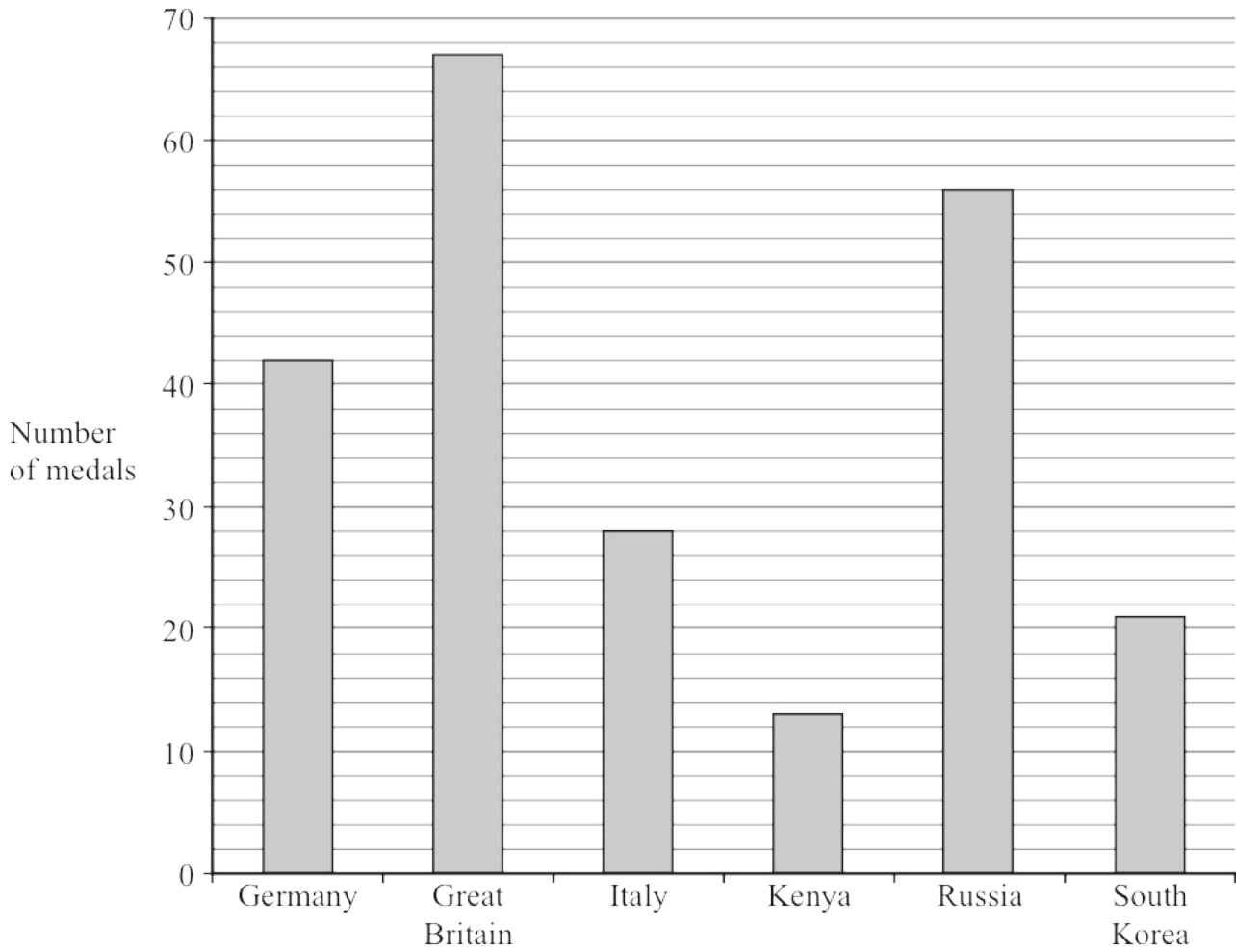
..... thousands of km²
(2)

The area of land used for farming in Uganda in 2012 was 140 thousands of km²

(c) Draw a bar on the bar chart to show this information.

(1)

- 2 The bar chart gives information about the total number of medals won by each of six countries at the 2016 Olympic Games.



- (a) Which of these countries won the fewest total number of medals?

.....
(1)

Great Britain won 27 gold medals.

- (b) How many of the medals won by Great Britain were **not** gold medals?

.....
(2)

7 Here is a list of all the nut trees Caterina counted one day.

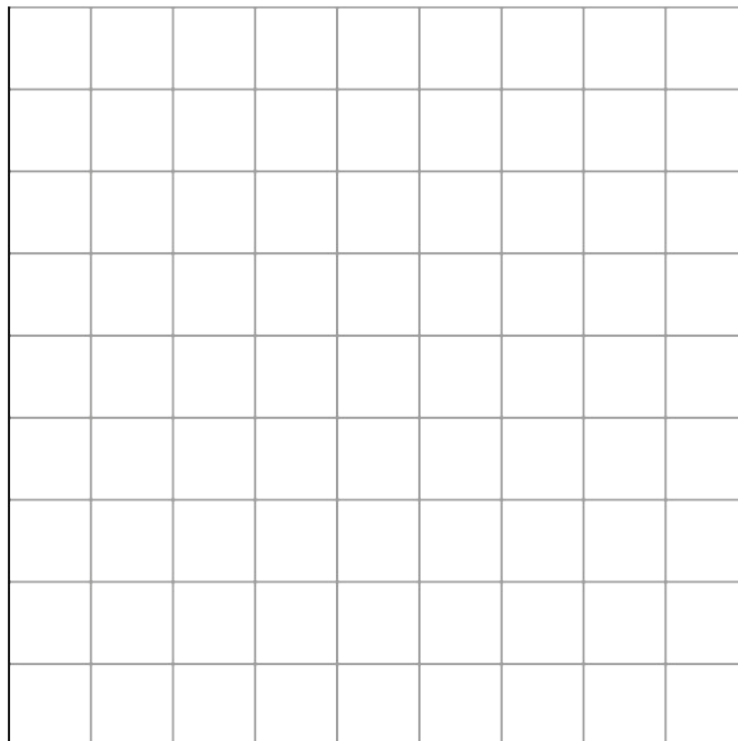
cashew	pistachio	almond	cashew	almond
walnut	walnut	almond	pistachio	cashew
cashew	walnut	almond	walnut	pistachio
almond	walnut	pistachio	walnut	walnut

(a) Complete the frequency table for Caterina’s list.

Nut tree	Tally	Frequency
cashew		
walnut		
almond		
pistachio		

(2)

(b) Draw a bar chart for the information in your table.

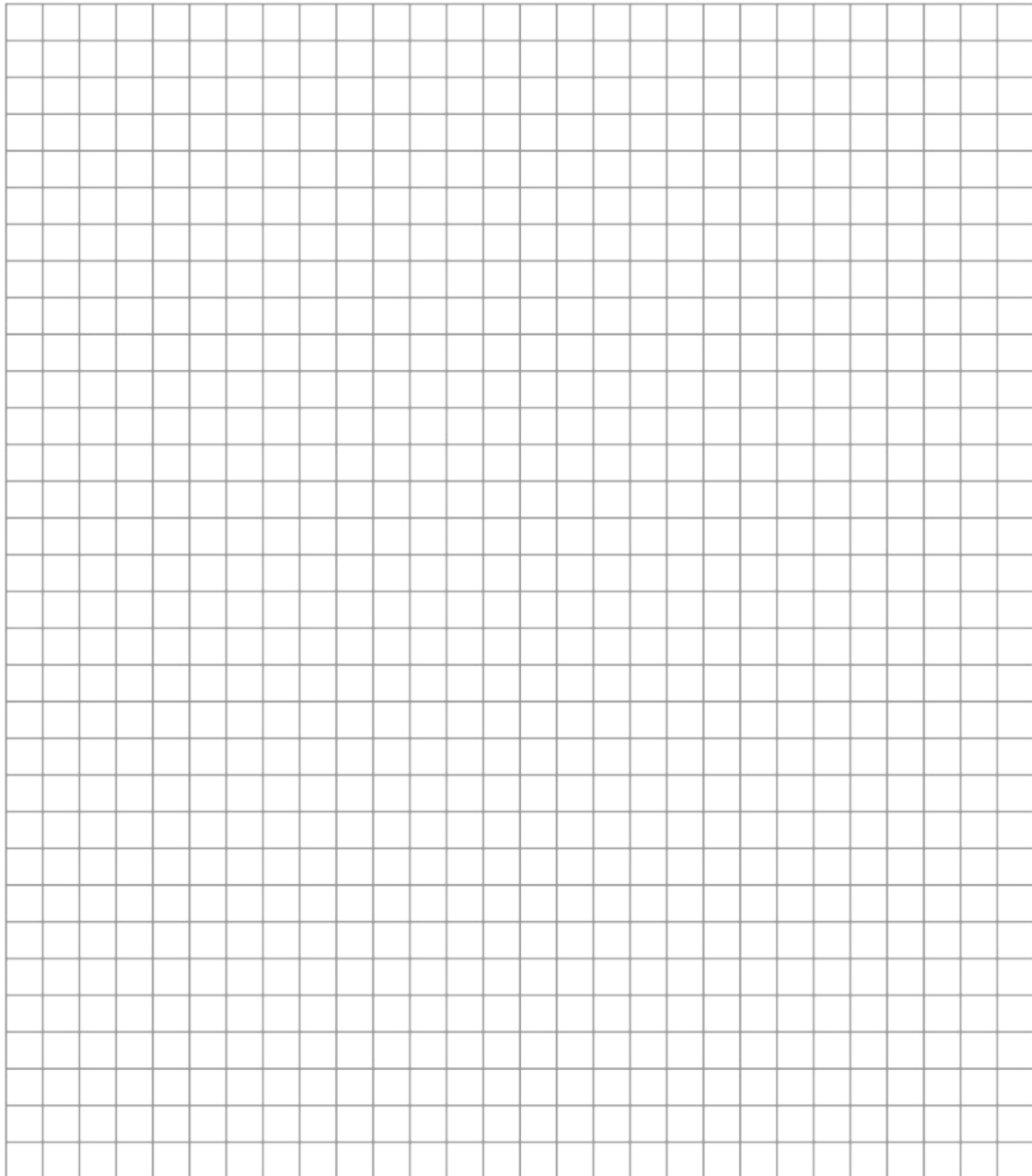


(3)

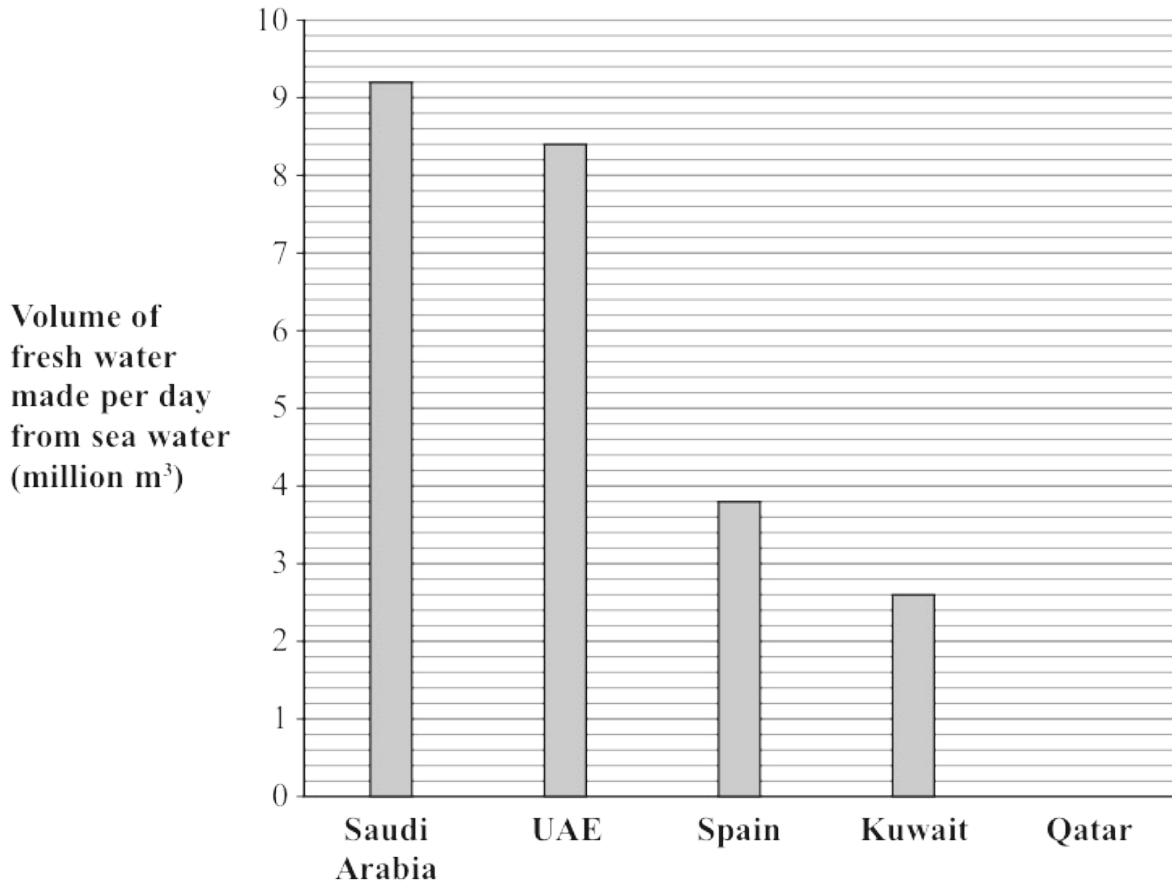
- 5 The table shows the average monthly temperatures, in °C, for four months in London and in Cairo.

	January	April	July	October
London (°C)	5	11	19	13
Cairo (°C)	14	21	28	23

Show this information by drawing a suitable diagram on the grid below.



- 4 The bar chart gives information about the volume of fresh water made per day from sea water in each of four countries in 2015



- (a) Write down the volume of fresh water made per day from sea water in Saudi Arabia in 2015

million m³
(1)

More fresh water was made per day from sea water in the UAE in 2015 than was made per day from sea water in Spain in 2015

- (b) How much more?

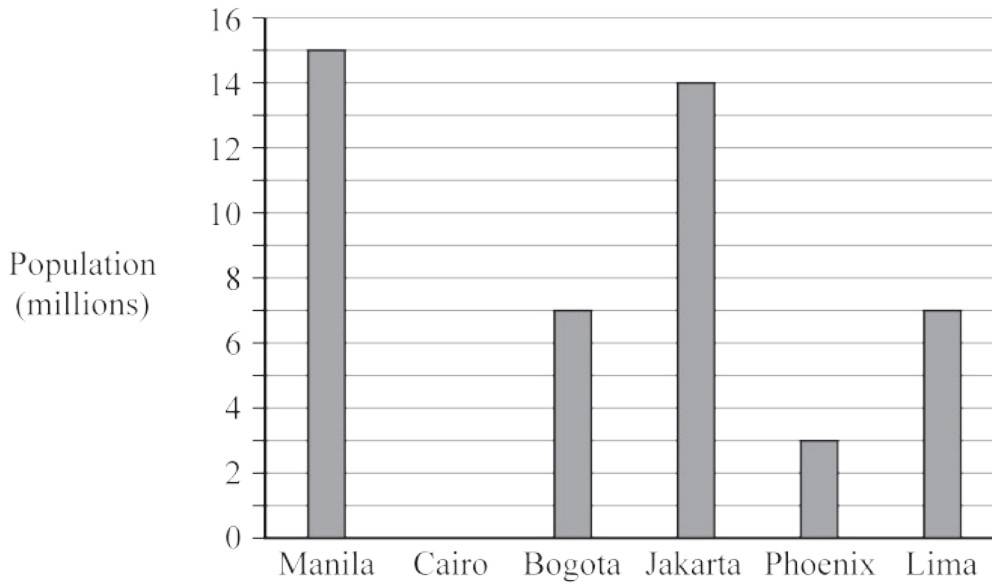
million m³
(2)

1.7 million m³ of fresh water was made per day from sea water in Qatar in 2015

- (c) Draw a bar on the bar chart to show this information.

(1)

2 The bar chart gives information about the population, in millions, of each of five cities.



Cairo has a population of 12 million.

(a) Draw a bar on the bar chart to show this information.

(1)

The populations of two cities are equal.

(b) Write down the names of these two cities.

..... and

(1)

(c) Write down the name of the city with a population of 15 million.

.....

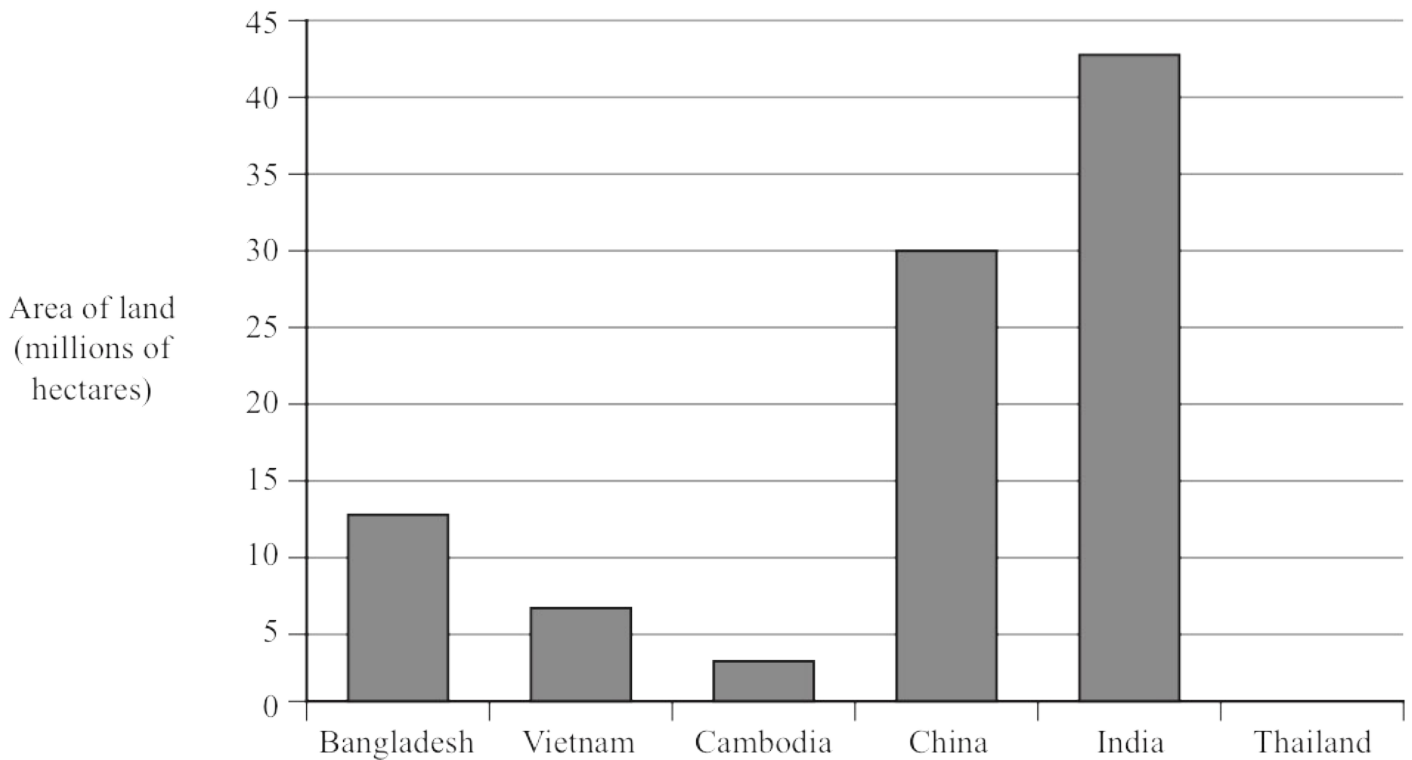
(1)

(d) Work out the difference in population between Jakarta and Phoenix.

..... million

(1)

2 The bar chart gives information about the area, in millions of hectares, of the land used in five countries to grow rice.



(a) In which of these five countries are 7 million hectares of land used to grow rice?

.....
(1)

(b) How many millions of hectares of land are used to grow rice in China?

..... millions of hectares
(1)

In Thailand 10 million hectares of land are used to grow rice.

(c) Draw a bar on the bar chart to show this information.

(1)

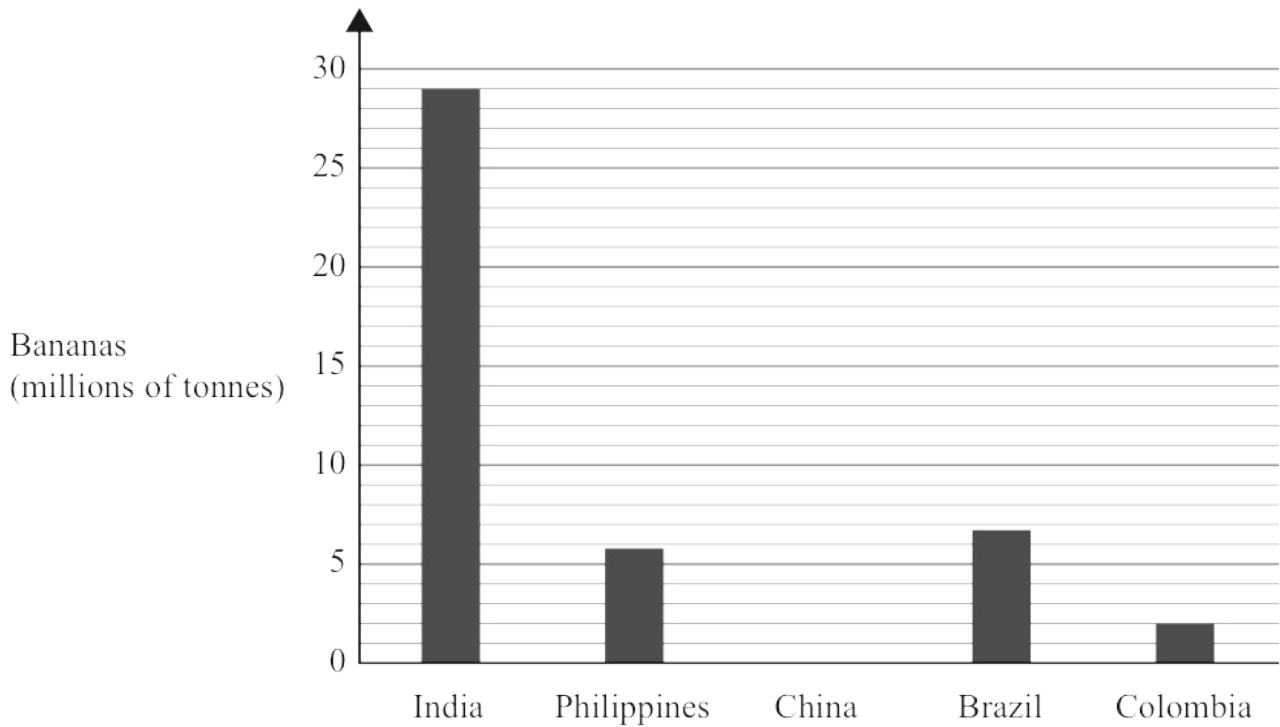
More land is used to grow rice in India than in Cambodia.

(d) How many millions of hectares more?

Show your working clearly.

..... millions of hectares
(2)

2 The bar chart shows information about the weight, in millions of tonnes, of bananas produced by each of four countries in 2016



In 2016, China produced 13 million tonnes of bananas.

(a) Draw a bar on the bar chart to show this information.

(1)

One of these countries produced 6.8 million tonnes of bananas in 2016

(b) Which country?

.....
(1)

In 2016, a total of 113 million tonnes of bananas was produced worldwide.

(c) What fraction of the 113 million tonnes of bananas was produced in India in 2016?

.....
(2)

2 The students in class 7T were asked how they got to school one day.

Here is a list of their method of travel to school.

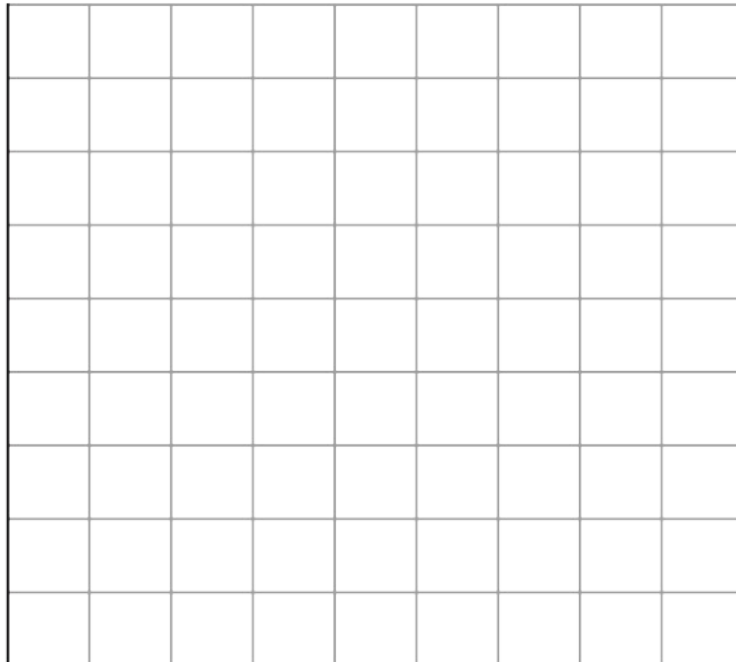
walk bus bicycle walk bus
 bicycle walk car bus bicycle
 bus bicycle bus car walk
 walk bus walk walk car

(a) Complete the frequency table for the methods of travel in the list.

Method of travel	Tally	Frequency
walk		
bus		
bicycle		
car		

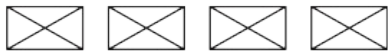



(2)

(b) Draw a bar chart for the information in your table.



(3)

The pictogram shows information about the number of emails Sophie received on each of four days.

Monday	
Tuesday	
Wednesday	
Thursday	
Friday	

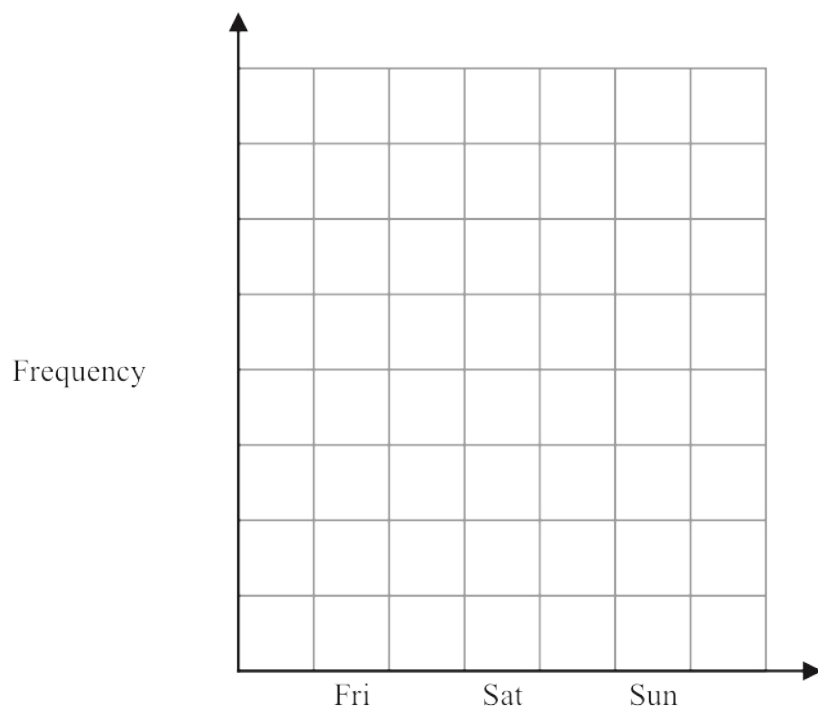
Key:



represents: 4 emails

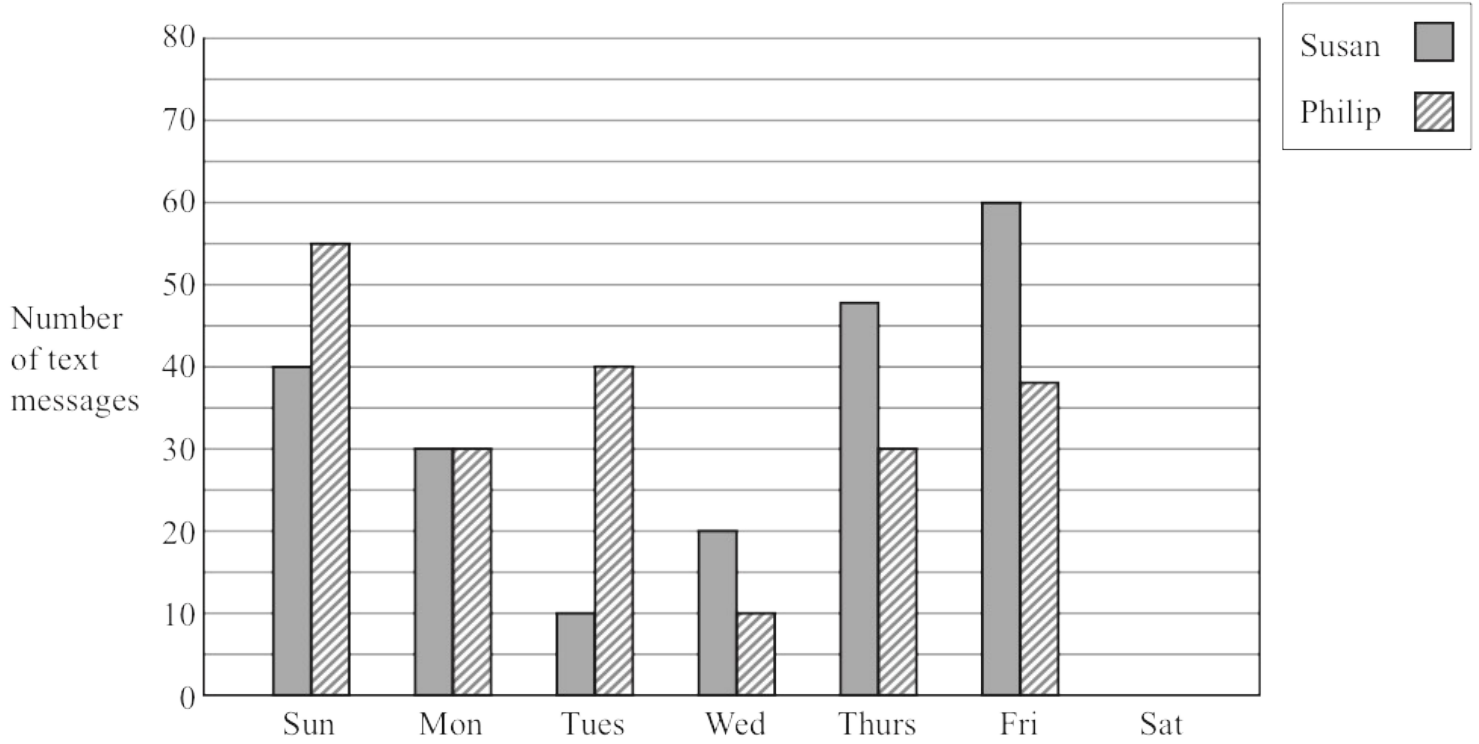
On Friday, Sophie received 14 emails, on Saturday she received 11 emails and on Sunday she received 6 emails.

- (e) Draw a bar chart to show the number of emails Sophie received on each of Friday, Saturday and Sunday.
Complete the frequency axis.



(2)

3 The bar chart shows information about the numbers of text messages that Susan and Philip sent from their mobile phones on each of six days one week.



(a) On which day did Susan send twice as many text messages as Philip?

.....
(1)

(b) How many text messages did Philip send on Sunday?

.....
(1)

On Saturday, Susan sent 15 text messages and Philip sent 40 text messages.

(c) Show this information on the bar chart.

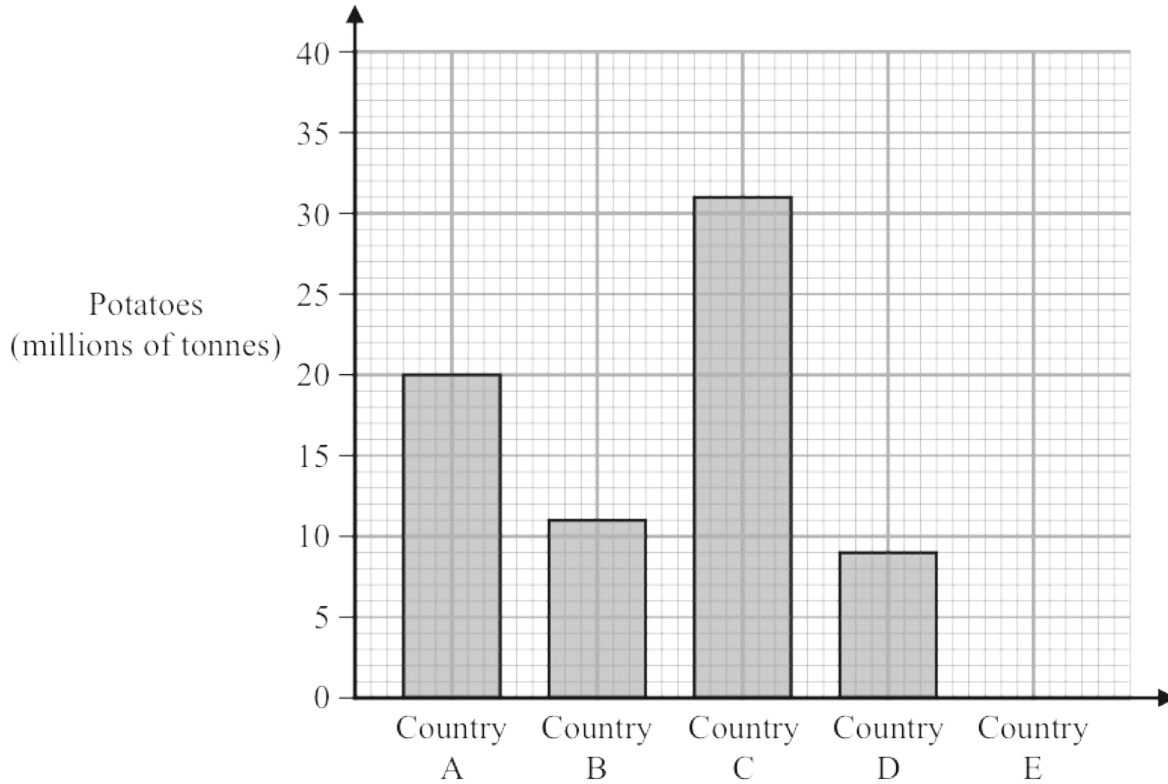
(1)

In the following week, Philip sent a total of 180 text messages.
Of these text messages, 25% were sent to Susan.

(d) Work out 25% of 180

.....
(2)

4 The bar chart shows information about the weight, in millions of tonnes, of the potatoes produced by each of four countries in 2016



In 2016, one of these four countries produced 11 million tonnes of potatoes.

(a) Which country?

.....
(1)

In 2016, Country E produced 7 million tonnes of potatoes.

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

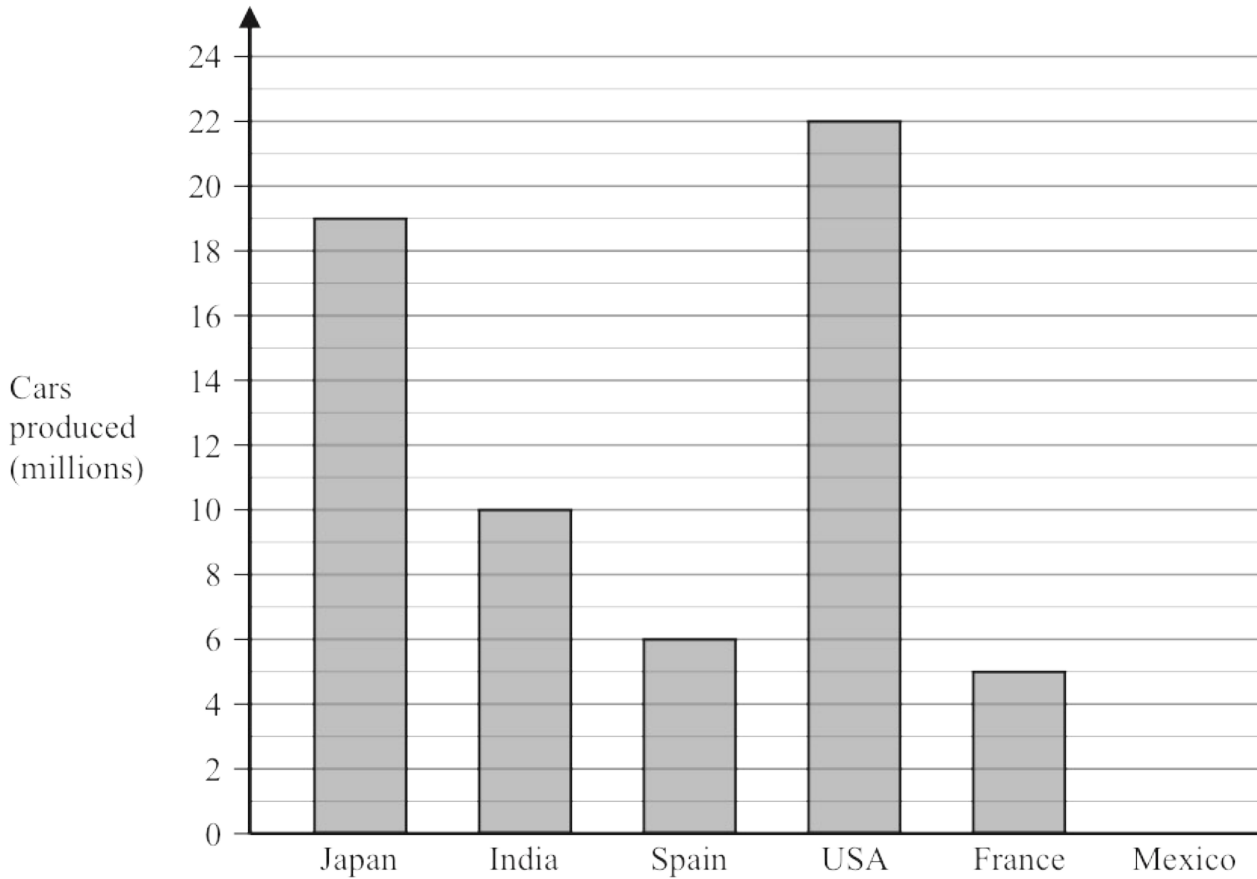
(1)

In 2016, the weight of potatoes produced by Country C was greater than the weight of potatoes produced by Country A.

(c) How many million tonnes greater?

..... million tonnes
(1)

2 The bar chart gives information about the total number, in millions, of cars produced in 2017 and 2018 for each of five countries.



The total number of cars produced in 2017 and 2018 in Mexico was 8 million.

(a) Draw a bar on the bar chart to show this information.

(1)

(b) Which of these six countries produced the greatest total number of cars?

.....
(1)

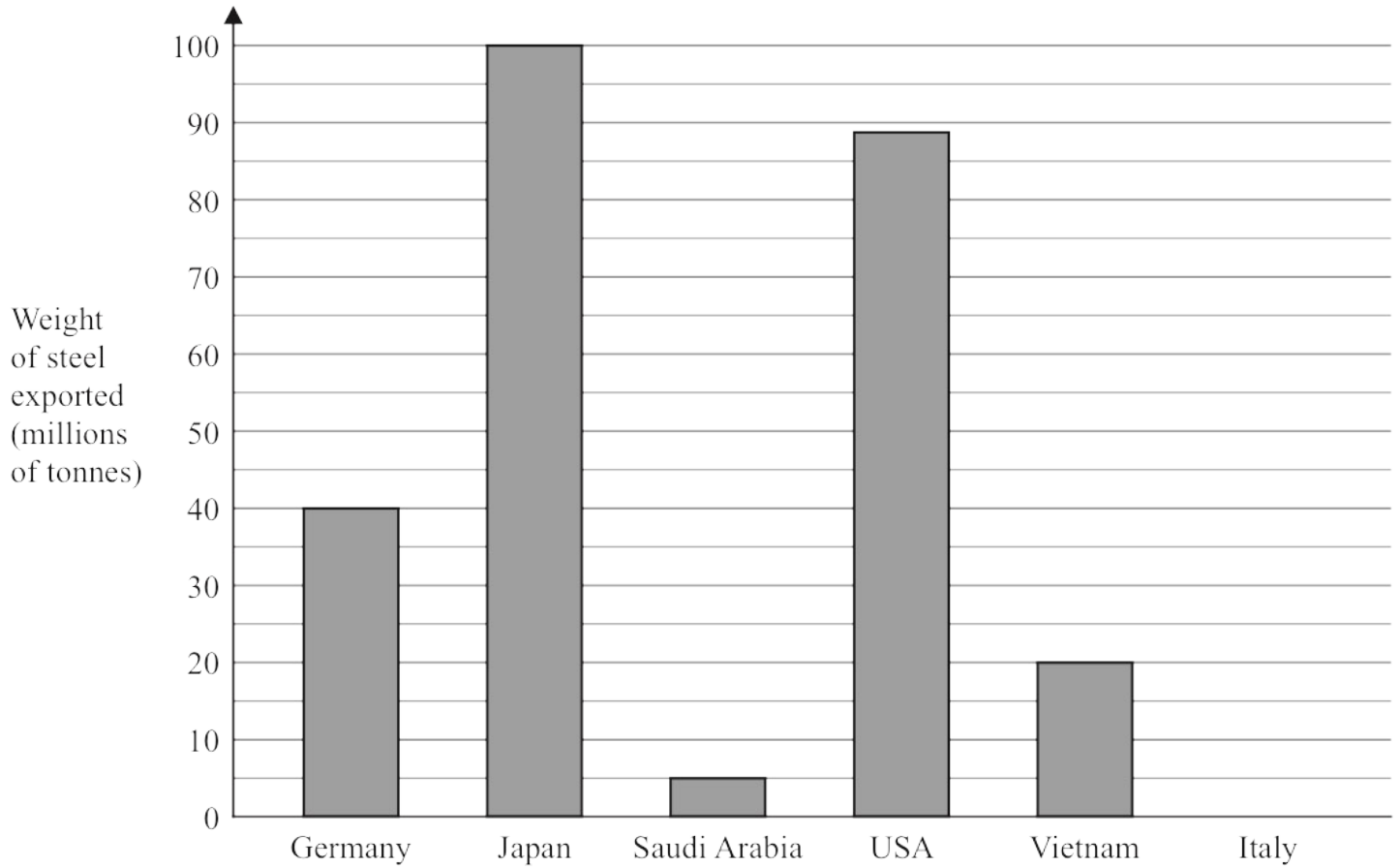
(c) Which country produced half as many cars as India?

.....
(1)

(d) Work out the difference between the total number of cars produced in Japan and the total number of cars produced in Spain.

..... million
(1)

2 The bar chart shows information about the weight of steel, in millions of tonnes, exported by each of five countries in 2019



Using the information in the bar chart,

(a) write down the weight of steel exported by Germany,

..... million tonnes
(1)

(b) write down the country that exported 88 million tonnes of steel,

.....
(1)

(c) work out the difference between the weight of steel exported by Japan and the weight of steel exported by Saudi Arabia.

..... million tonnes
(1)

Italy exported 25 million tonnes of steel in 2019

(d) Draw a bar on the bar chart to show this information.

(1)

(Total for Question 2 is 4 marks)

- 3 Ivor asks 20 children in his class to name their favourite fruit. Here are his results.

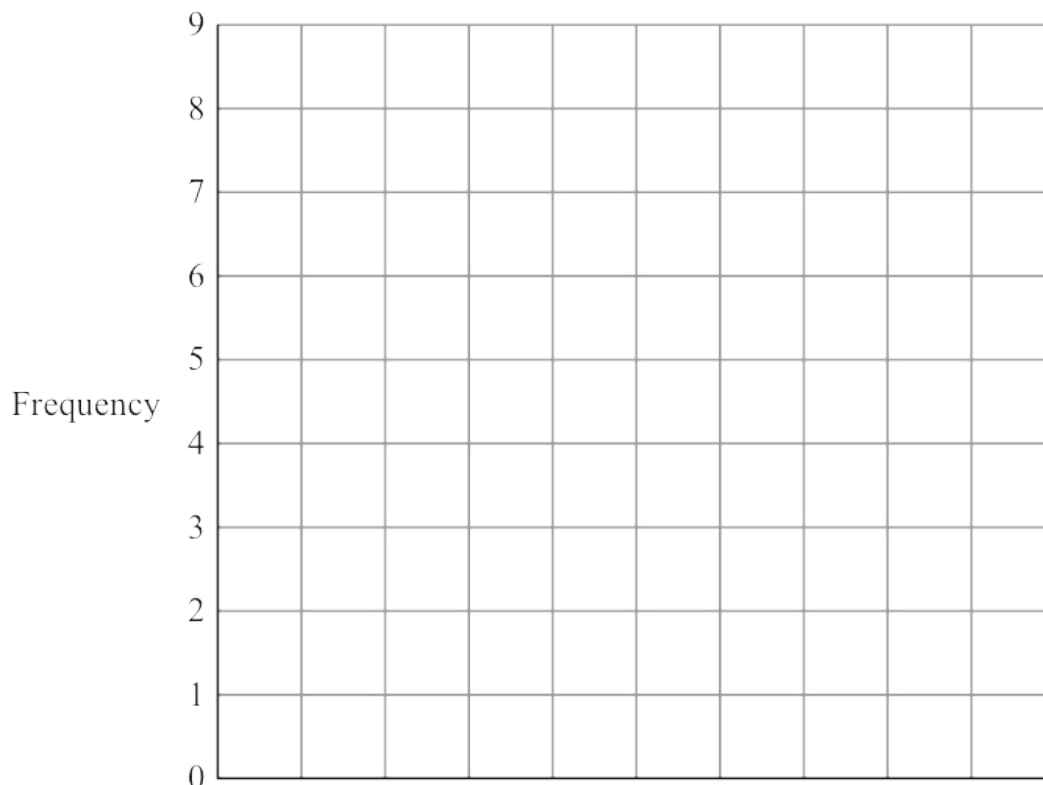
apple	orange	grape	peach	grape
banana	apple	orange	grape	peach
apple	apple	banana	peach	orange
grape	orange	apple	orange	orange

- (a) Complete the frequency table to show this information.

Fruit	Tally	Frequency
apple		
banana		
grape		
peach		
orange		

(2)

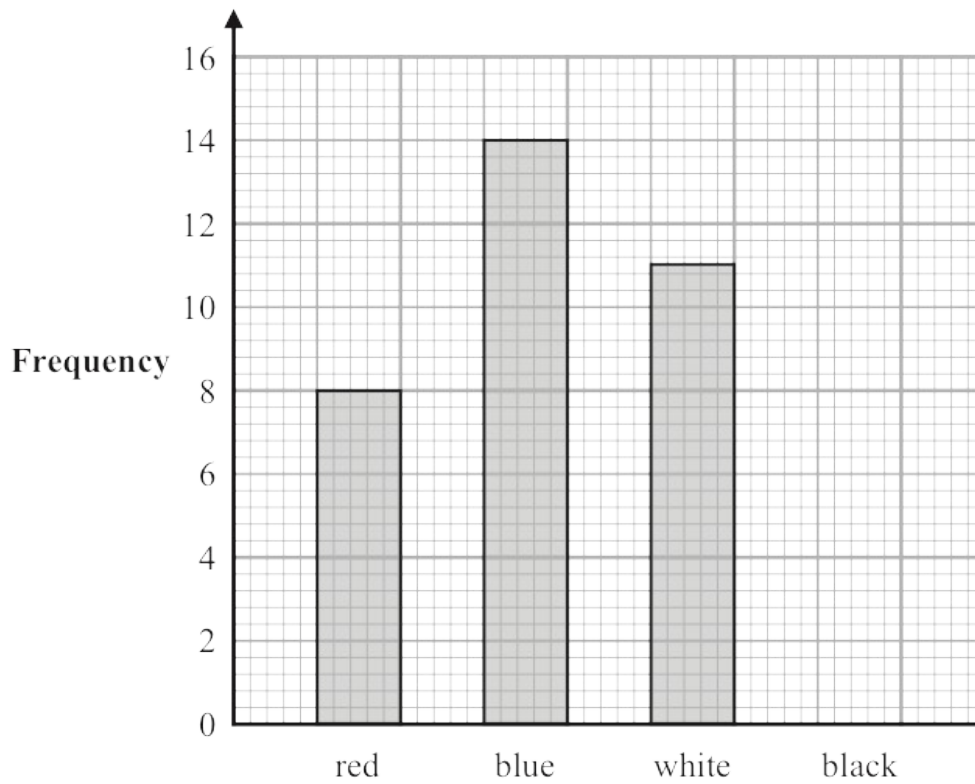
- (b) Complete the bar chart for the information in your table.



(3)

- 6 Tamzin recorded the colour of each of the cars she saw one afternoon. She saw only red cars, blue cars, white cars and black cars.

The bar chart gives information about the numbers of red cars, blue cars and white cars that she saw.



- (a) Write down the number of red cars that Tamzin saw.

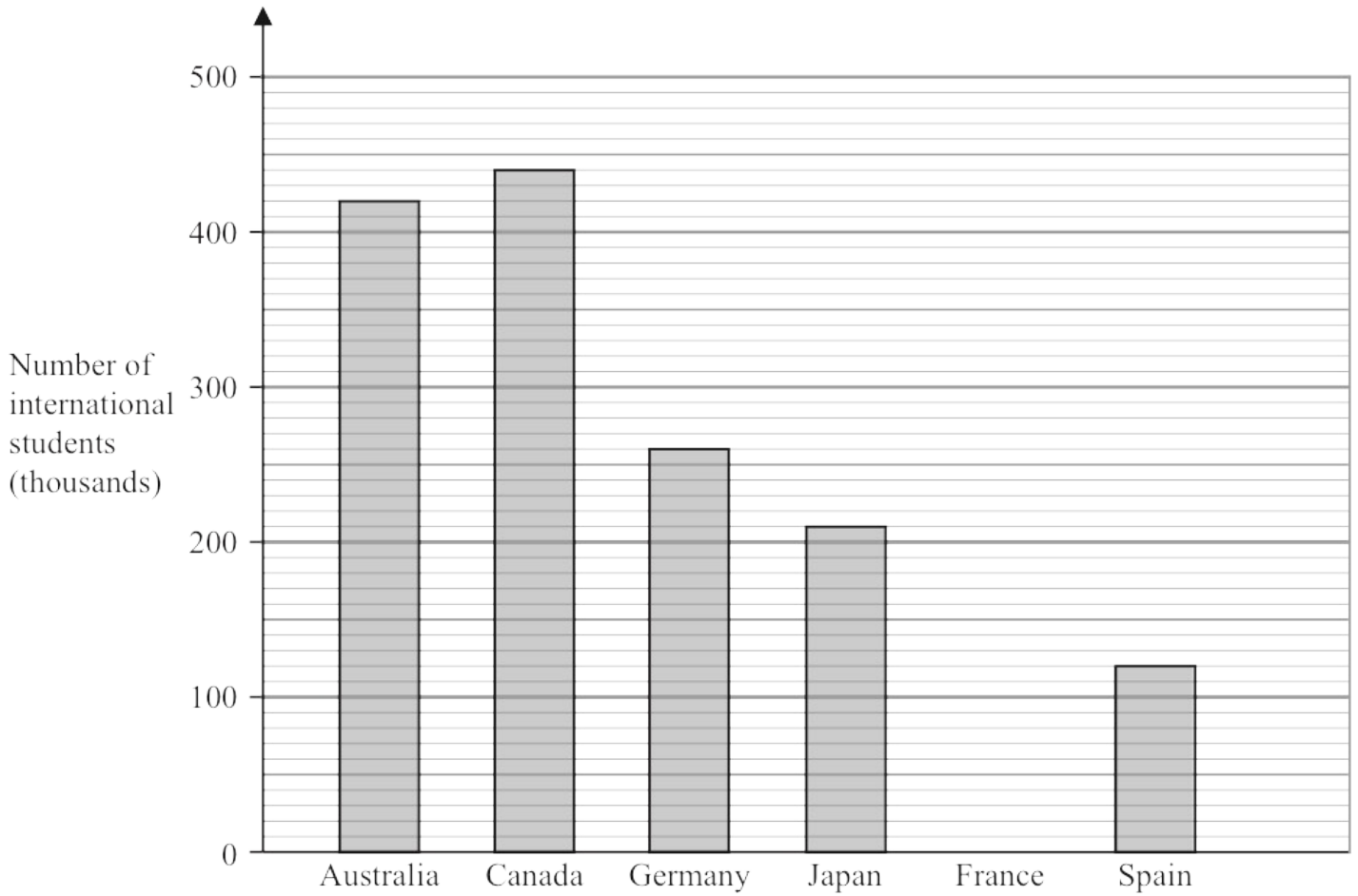
.....
(1)

Tamzin saw 40 cars in total.

- (b) Draw a bar on the bar chart to show the number of black cars that Tamzin saw.

(3)

2 The bar chart shows information about the number of international students who studied in each of five countries in 2019



(a) In which of these five countries did the greatest number of international students study?

.....
(1)

(b) Write down the number of international students who studied in Australia.

..... thousand
(1)

The number of international students who studied in Japan was more than the number of international students who studied in Spain.

(c) How many more?

..... thousand
(1)

In 2019, the number of international students who studied in France was 340 thousand.

(d) Draw a bar on the bar chart to show this information.

(1)

(Total for Question 2 is 4 marks)