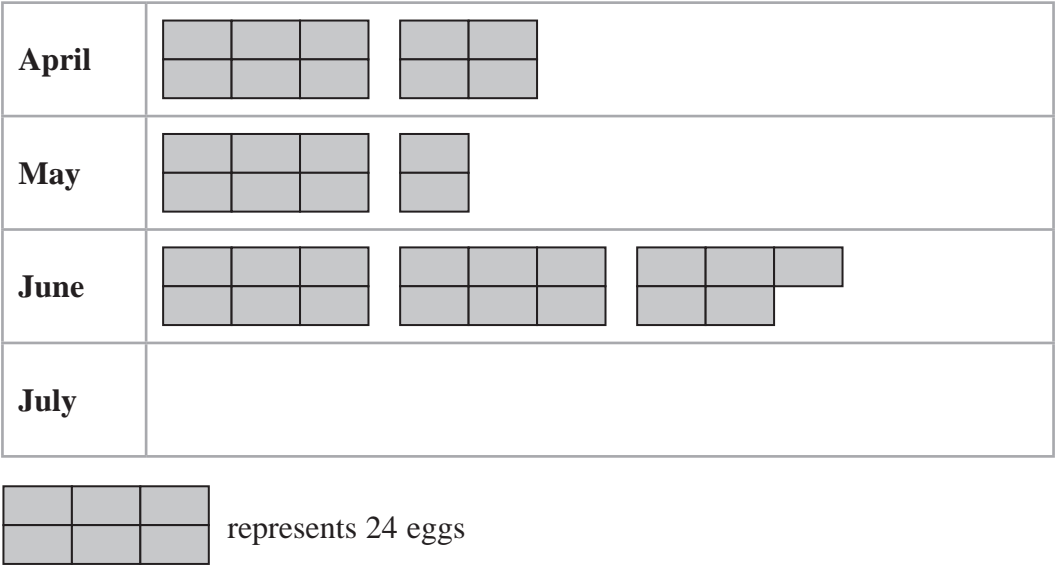


1 The pictogram gives information about the number of eggs laid by Ellie’s chickens in April, in May and in June.



(a) How many eggs were laid by Ellie’s chickens in April?

(1)

Ellie’s chickens laid more eggs in June than in May.

(b) How many more?

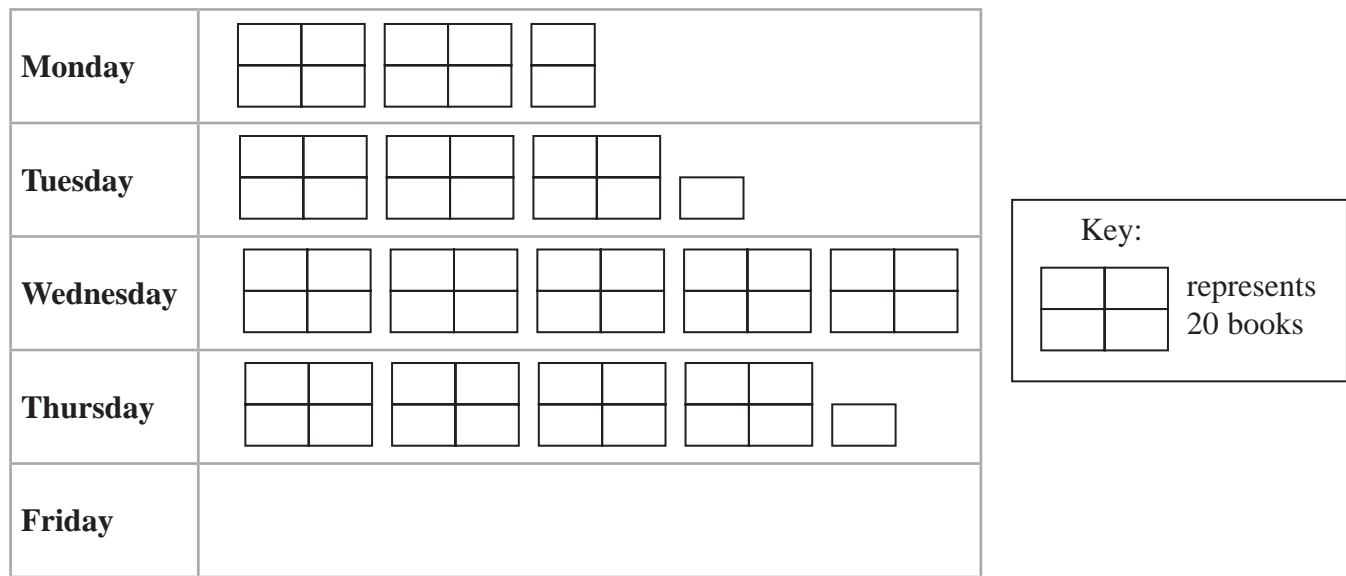
(2)

Ellie’s chickens laid 52 eggs in July.

(c) Show this information on the pictogram.

(1)

2 The pictogram shows information about the number of books sold in a shop each day from Monday to Thursday last week.



(a) How many books were sold on Wednesday last week?

.....
(1)

35 books were sold in the shop on Friday last week.

(b) Show this information on the pictogram.

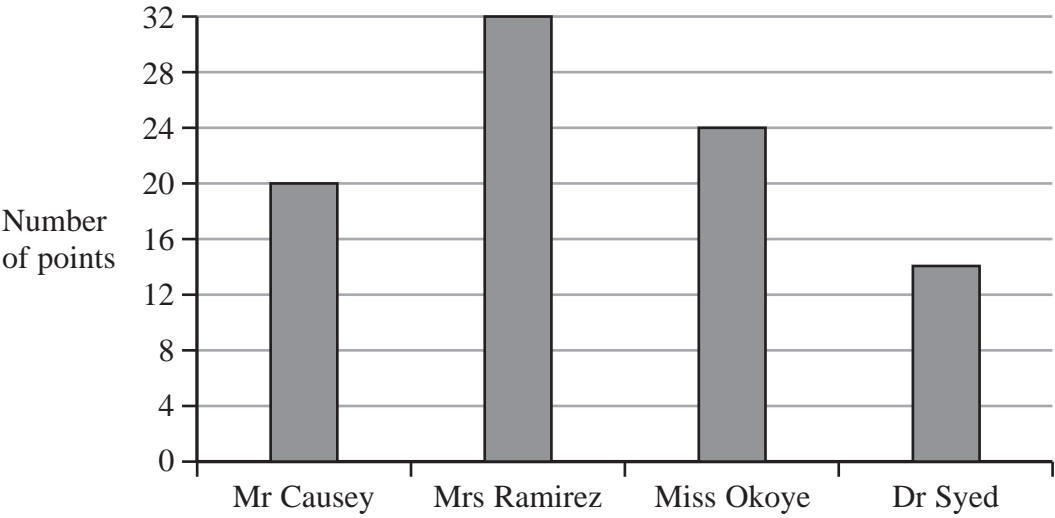
(1)

Last week
some books were sold in the shop on Saturday
no books were sold in the shop on Sunday
a total of 500 books were sold in the shop.

(c) Work out the number of books that were sold in the shop on Saturday last week.

.....
(3)

3 The bar chart gives information about the number of points scored by each of four teachers in a quiz.



Joseph starts to draw a pictogram, shown below, for this information. The pictogram shows the number of points scored by Mr Causey and the number of points scored by Mrs Ramirez.

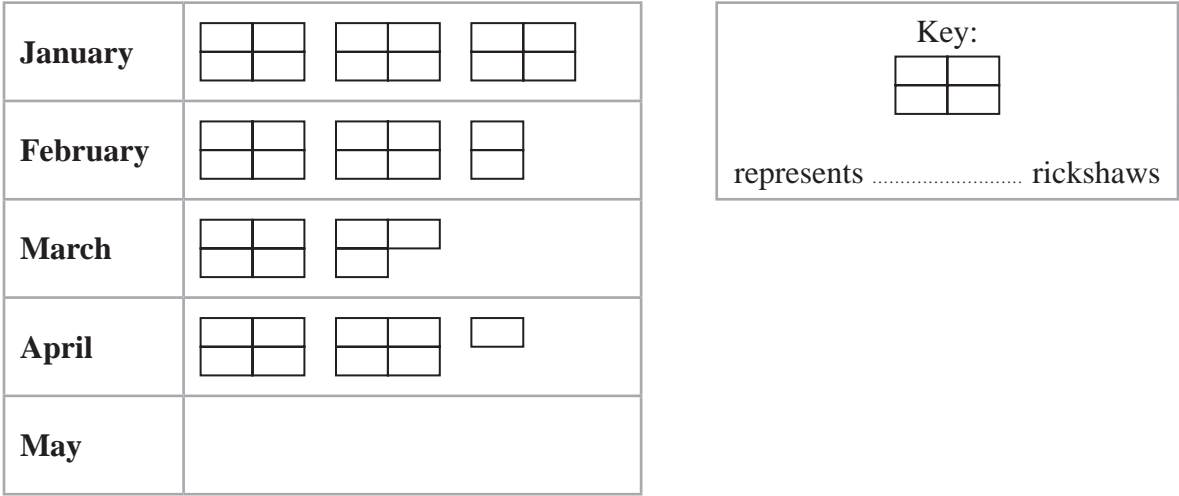
Mr Causey	<div><div><div></div><div></div></div><div><div></div><div></div></div></div> <div><div><div></div><div></div></div><div><div></div><div></div></div></div> <div><div><div></div></div></div>
Mrs Ramirez	<div><div><div></div><div></div></div><div><div></div><div></div></div></div> <div><div><div></div><div></div></div><div><div></div><div></div></div></div> <div><div><div></div><div></div></div><div><div></div><div></div></div></div> <div><div><div></div><div></div></div><div><div></div><div></div></div></div>
Miss Okoye	
Dr Syed	

Key:

represents points

Complete the pictogram, including the key.

4 The pictogram gives information about the number of rickshaws sold from a garage each month from January to April.



36 rickshaws were sold in January.

(a) Complete the key. (1)

(b) How many rickshaws were sold in February?

..... (1)

15 rickshaws were sold in May from the garage.

(c) Show this information on the pictogram. (1)

Sandeep makes a profit of 5000 rupees on each rickshaw sold from the garage.

His target profit for January was 200 000 rupees.

(d) Did Sandeep reach his target profit for January?
You must show your working.

(2)

(Total for Question 4 is 5 marks)

5 The temperature in New York is -2°C

At the same time, the temperature in Rabat is 16°C higher than the temperature in New York.

(a) Work out the temperature in Rabat.

..... $^{\circ}\text{C}$
(1)














Also, at the same time, the temperature in Helsinki is 17°C lower than the temperature in New York.


(b) Work out the temperature in Helsinki.

..... $^{\circ}\text{C}$
(1)

(Total for Question 5 is 2 marks)

- 6 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

- (a) On which of Monday, Tuesday, Wednesday or Thursday did Sophie receive the least number of emails?

.....
(1)

- (b) Find the ratio of the number of emails Sophie received on Monday to the number of emails Sophie received on Tuesday.
Give your ratio in its simplest form.

.....
(2)

On Friday, Sophie received 14 emails.

- (c) Show this information on the pictogram.

(1)

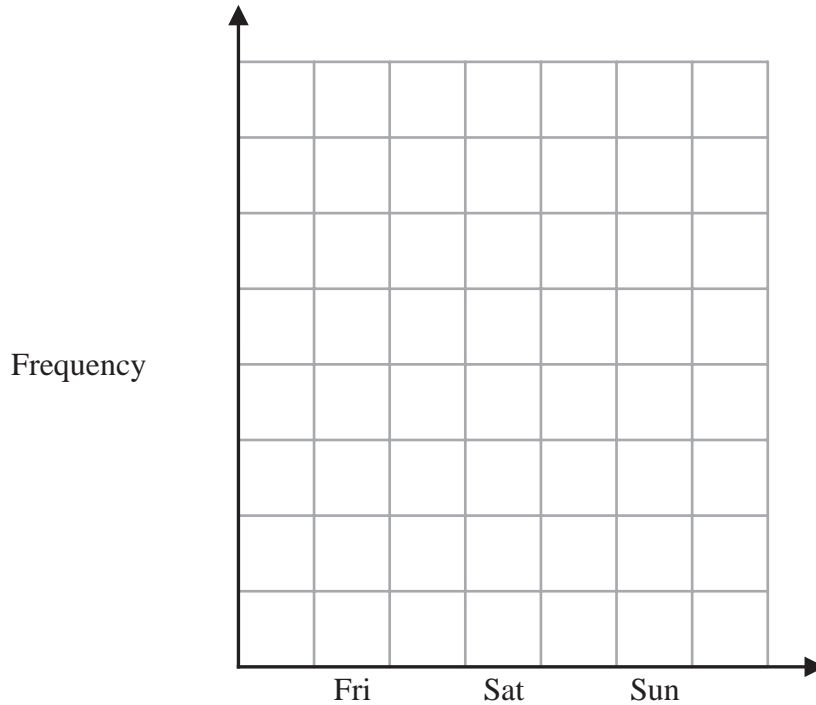
On Friday, 6 of the 14 emails Sophie received were from Kamil.

- (d) Write 6 as a fraction of 14
Write your fraction in its simplest form.

.....
(2)

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)

(Total for Question 6 is 8 marks)

7 The pictogram shows information about the number of loaves of bread sold in a bakery each day from Tuesday to Friday last week.

Monday	
Tuesday	  
Wednesday	 
Thursday	
Friday	  

Key:  represents 6 loaves of bread

(a) How many loaves of bread were sold on Friday?

.....
(1)

The total number of loaves sold in the bakery from Monday to Friday last week was 66

(b) (i) Work out the number of loaves sold on Monday last week.

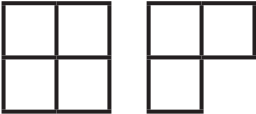

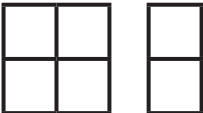
.....
(2)

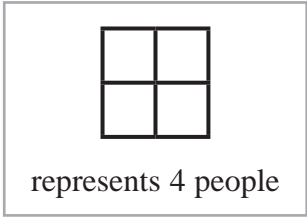
(ii) Show this information for Monday on the pictogram.

(1)

(Total for Question 7 is 4 marks)

- 8 40 people were asked to name their favourite type of holiday.
The pictogram gives information about the number of these people who said each of City Break or Beach or Walking.

City Break	
Beach	
Walking	
Cruise	
Skiing	



- (a) How many of these people said Beach?

.....
(1)

4 people said Cruise.
9 people said Skiing.

- (b) Show this information on the pictogram.

(2)

One person from the 40 people asked is selected at random.

- (c) Find the probability that this person said City Break.

.....
(2)

9 The pictogram shows information about the number of text messages Colin sent on each of four days last week.

Monday	<table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table> <table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table> <table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table> <table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>																
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Wednesday	<table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table> <table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table> <table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>																
Thursday	<table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table> <table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table> <table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table> <table><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>																
Friday																	

Key:

 represents 8 text messages

(a) How many text messages did Colin send on Tuesday?

.....
(1)

(b) Work out the total number of text messages that Colin sent on the four days from Monday to Thursday last week.

.....
(2)

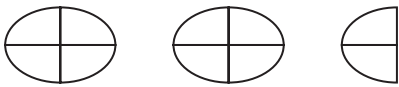
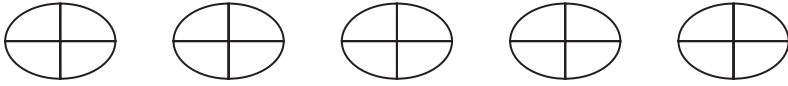
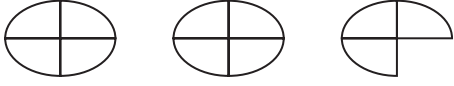


On Friday, Colin sent 26 text messages.

(c) Show this information on the pictogram.

(1)

(Total for Question 9 is 4 marks)

10 The pictogram shows information about the total weight of potatoes grown last year in each of five countries.

Bangladesh	
USA	
Germany	
Poland	
France	
The Netherlands	

Key:  represents 4 million tonnes of potatoes

The pictogram shows one country where the total weight of potatoes grown last year was 20 million tonnes.

(a) Which country?

.....

(1)

Last year, the weight of potatoes grown in The Netherlands was 6 million tonnes.

(b) Show this information on the pictogram.

(1)

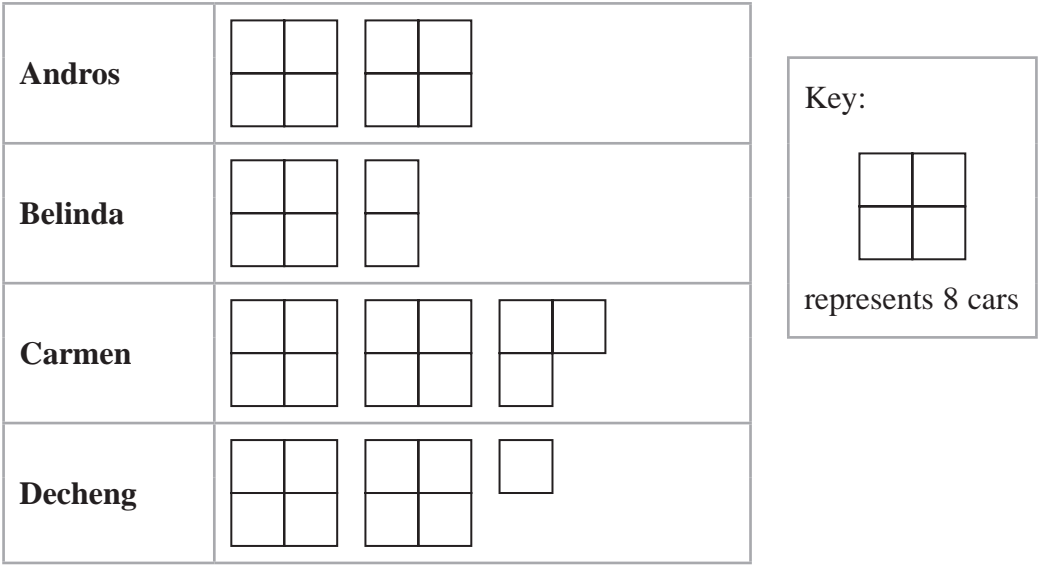
(c) Work out the total weight of potatoes grown in Germany **and** in France last year.

..... million tonnes

(2)

(Total for Question 10 is 4 marks)

11 The pictogram gives some information about the number of cars sold by each of the four employees of Best Cars in April.



In March, Best Cars sold 60 cars in total.

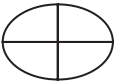
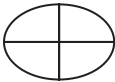
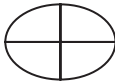

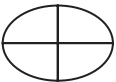

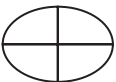
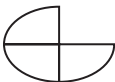
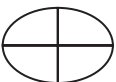
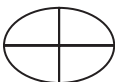

Its target for April was to sell 15% more cars in total than it sold in March.

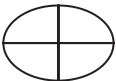
Show that Best Cars did not meet its target.

Show your working clearly.

12 Peter owns boarding kennels for dogs.

The pictogram shows information about the number of dogs that were at the kennels each day from Monday to Thursday last week.

Monday	   
Tuesday	 
Wednesday	 
Thursday	  
Friday	

Key:  represents 8 dogs

(a) How many dogs were at the kennels on Monday?

.....
(1)

18 dogs were at the kennels on Friday.

(b) Show this information on the pictogram.

(1)

Peter gave each dog 2 biscuits each day.

(c) Work out the total number of biscuits that Peter gave the dogs during the five days from Monday to Friday last week.

.....
(2)

(Total for Question 12 is 4 marks)