

Processing, Representing and Interpreting Data

ANSWERS

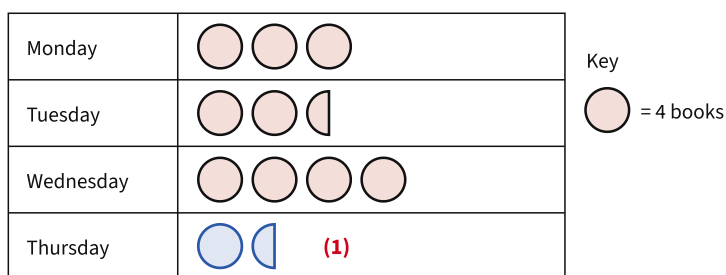
Calculator | 30 minutes | Total marks: 23

Name

Class

1

The pictogram shows the number of books borrowed from a library on four days.



(a) How many books were borrowed on Monday?

Answer 12 (1) [1 mark]

(b) How many books were borrowed on Tuesday?

Answer 10 (1) [1 mark]

(c) 6 books were borrowed on Thursday.

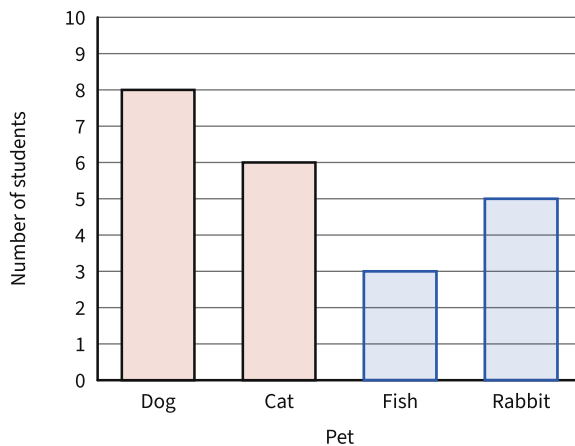
Complete the pictogram.

[1 mark]

2

The table shows the pets owned by the students in a class.

Pet	Dog	Cat	Fish	Rabbit
Number of students	8	6	3	5



(a) Complete the bar chart.

Fish 3 (1) Rabbit 5 (1) [2 marks]

(b) Which pet is the most common?

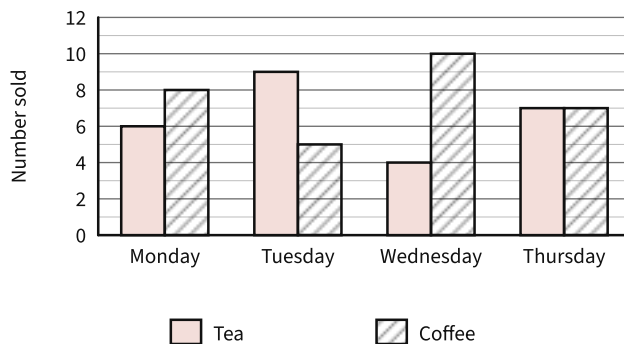
Answer Dog (1) [1 mark]

(c) Work out the total number of students.

Answer 22 (1) [1 mark]

3

The dual bar chart shows the cups of tea and coffee sold at a café on four days.



(a) How many cups of coffee were sold on Wednesday?

Answer 10 (1) [1 mark]

(b) On which day were the same number of cups of tea and coffee sold?

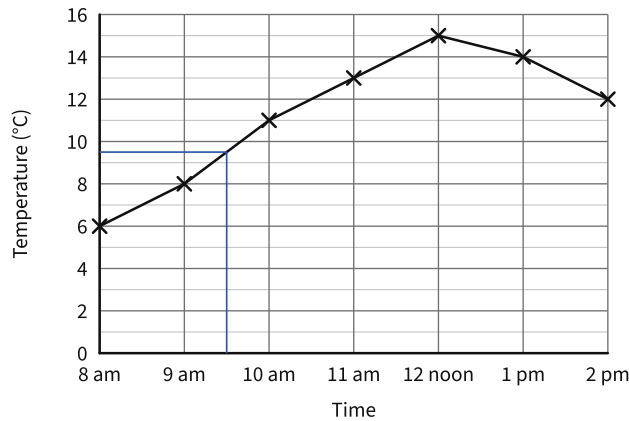
Answer Thursday (1) [1 mark]

(c) Work out the total number of cups of tea sold.

Answer 26 (1) [1 mark]

4

The line graph shows the temperature in a garden.



- (a) What was the temperature at 10 am?

Answer 11 (1) °C [1 mark]

- (b) At what time was the temperature highest?

Answer 12 noon (1) [1 mark]

- (c) Estimate the temperature at half past 9

Answer 9.5 (1) °C [1 mark]

Accept 9 to 10

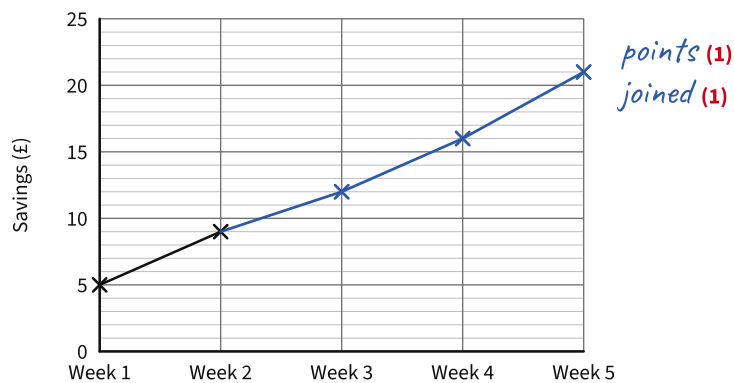
5

The table shows how much money Asha has saved at the end of each week.

Week	1	2	3	4	5
Savings (£)	5	9	12	16	21

- (a) The first two points have been plotted.

Complete the time series graph.



[2 marks]

- (b) Describe the trend.

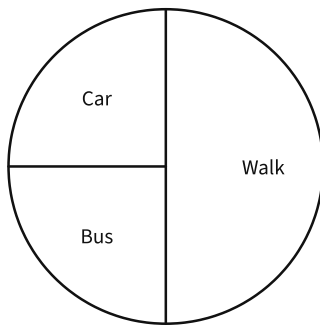
Her savings go up each week (1)

[1 mark]

6

40 students are asked how they travel to school.

The pie chart shows the results.



(a) What fraction of the students walk to school?

Answer $\frac{1}{2}$ (1) [1 mark]

(b) How many students travel by bus?

a quarter of 40 (1)

Answer 10 (1) [2 marks]

7

36 students are asked to choose their favourite colour.

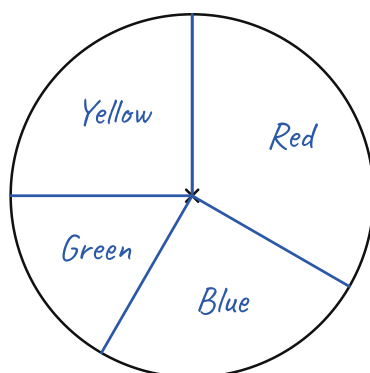
In a pie chart, each student is shown by an angle of 10°

Colour	Frequency	Angle
Red	12	120°
Blue	9	90°
Green	6	60°
Yellow	9	90° (1)(1)

(a) Complete the table.

[2 marks]

(b) Draw the pie chart.



two angles drawn correctly (1)
all correct with labels (1)

[2 marks]

Question	Topic	RAG
1	I can read and complete a pictogram	
2	I can draw and read a bar chart	
3	I can read a dual bar chart	
4	I can read values from a line graph	
5	I can draw a time series graph and describe the trend	
6	I can read a simple pie chart	
7	I can draw a pie chart	