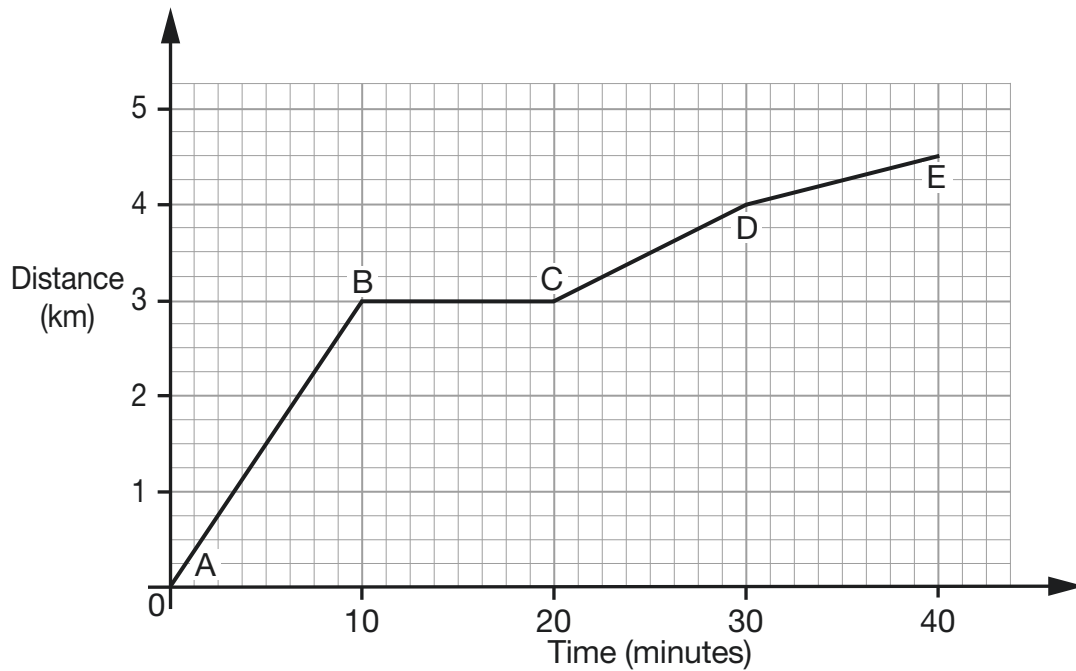


13

Look at the graph below that shows Dev's bike ride.



Match each part of Dev's journey to the correct sentence.

A to B

Dev rests for 10 minutes.

B to C

Dev cycles 1 km in 10 minutes.

C to D

Dev cycles 3 km in 10 minutes.

D to E

Dev cycles less than 1 km in 10 minutes.

1 mark



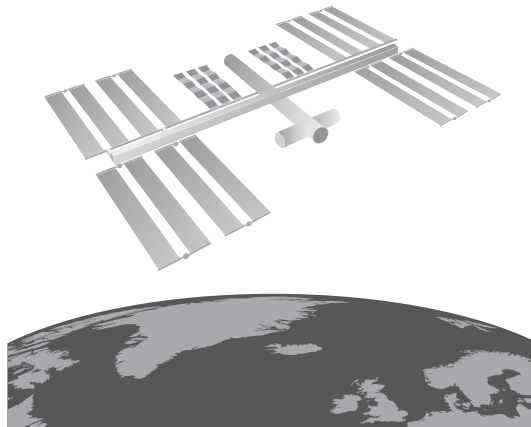
14

How many days are there in September, October and November altogether?

days

1 mark

15



The International Space Station orbits the Earth at a height of 250 miles.

What is the height of the International Space Station in **kilometres**?

Use 8 kilometres equals 5 miles.

km

1 mark



15

Amina asked 60 children to choose their favourite flavour of jelly.

These were her results.

Flavour	Number of children
Raspberry	12
Lemon	8
Orange	15
Blackcurrant	25
Total	60

What **percentage** of the 60 children chose orange?

 %

1 mark



H 0 0 0 7 0 A 0 1 5 2 4

17

Seven children measured their heights.

Children	Height (cm)
Stefan	144
Lara	136
Olivia	142
Chen	143
Maria	152
Dev	148
Sarah	150

What is the mean height of the children?

Show
your
method

cm

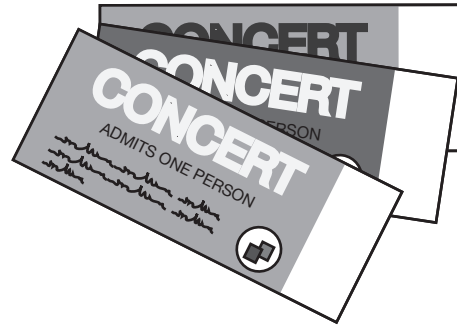
2 marks



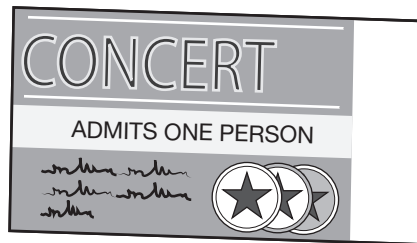
18

Last year, Jacob went to four concerts.

Three of his tickets cost £5 each.



The other ticket cost £7



What was the **mean** cost of the tickets?

Show
your
method

£

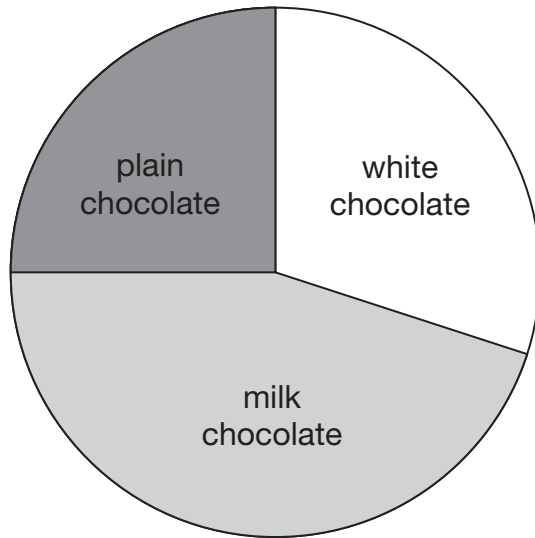
2 marks



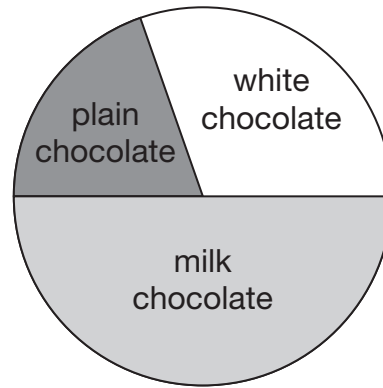
18

100 girls and 50 boys were asked which kind of chocolate they like best.

These two pie charts show the results.



100 girls



50 boys

Dev says,

"The pie charts show that more girls than boys liked milk chocolate best."

Dev is correct.

Explain how you know.

1 mark



20

There are 432 places at a dance school.

There are two age groups.

This table shows the number of classes and the number of pupils in each class for each age group at the moment.

Age in years	Number of classes	Number of pupils in each class
7–12	15	16
13–18	10	18

How many **more** pupils can join the dance school?

Show
your
method

2 marks



This table shows how many people finished the New York Marathon in each of the first four decades it was held.

New York Marathon	
Decade	Total number of people who finished
1st decade	24,863
2nd decade	170,932
3rd decade	282,420
4th decade	350,824

What is the mean number of people who finished the marathon per decade? Round your answer to the **nearest hundred**.

Show
your
method

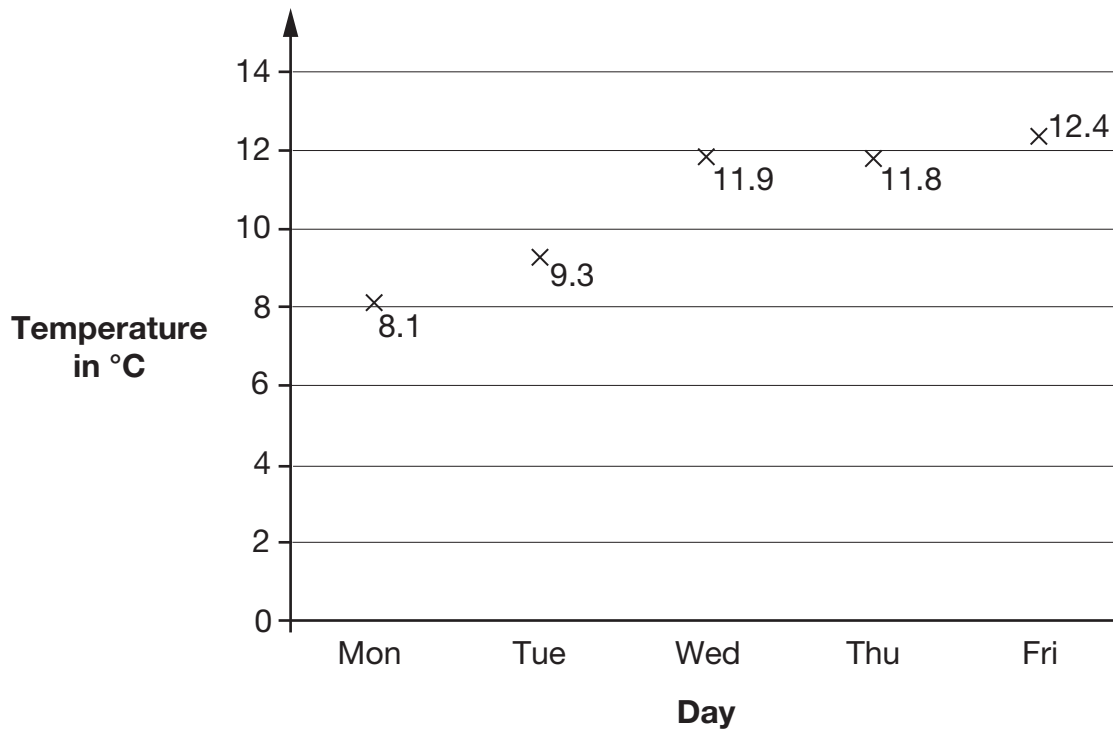
people

3 marks



22

This graph shows the maximum temperature for five days.



For what fraction of the five days was the maximum temperature below 10 °C?

1 mark

What was the **mean** maximum temperature, to one decimal place?

Show
your
method

°C

2 marks

