Statistics

MyMaths

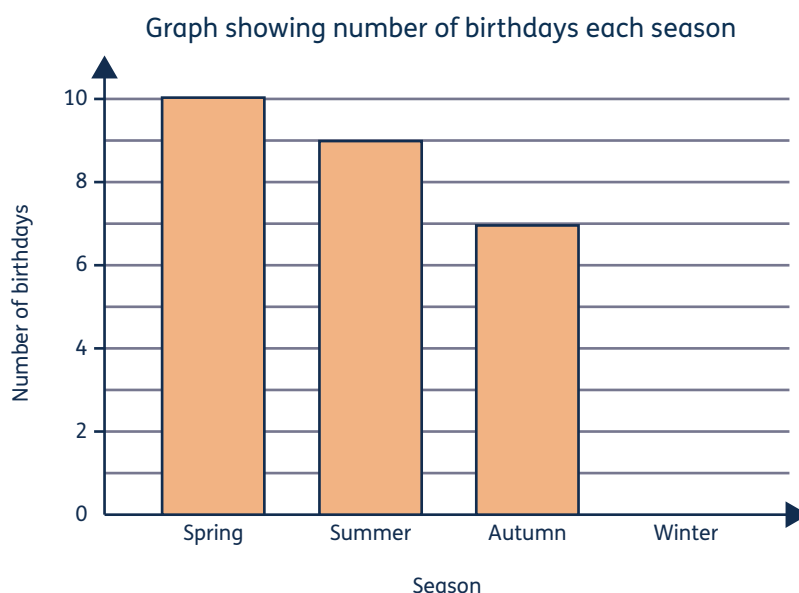## Question 1

Darren asked 30 people in his class when their birthday was.

Here are the results in a frequency table.

	Frequency
Spring	10
Summer	9
Autumn	7
Winter	4

a Can you fill in the graph with the missing data for winter?

Graph showing number of birthdays each season

b Which season has the most birthdays?

c What is the difference between the number of birthdays in winter and spring?

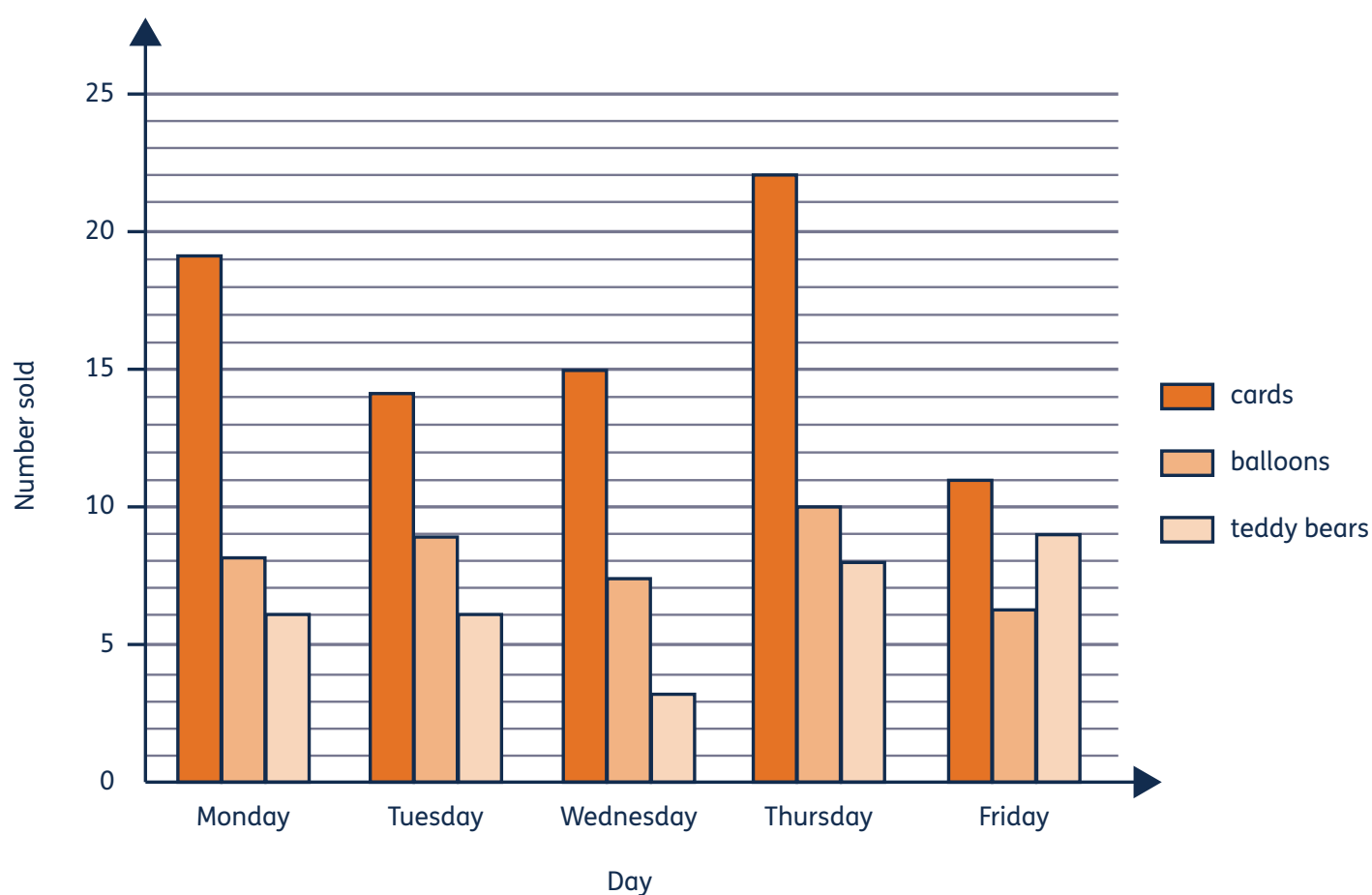**d** What is the sum of the number of birthdays in the two seasons with the most?

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Question 2

Maria runs a present shop. She keeps track of how many presents she's sold every day.

See the next page for questions about this graph.

Statistics

a Can you fill out the blanks in the table based on the graph from the previous page?

Day	cards	balloons	teddy bears
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

b How many presents did Maria sell on her busiest day?

c How many cards did Maria sell that week?

d How many of her least popular item did Maria sell?

e What is the difference between the number of cards and the number of teddy bears sold that week?

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Question 3

Class A and Class B are both collecting milk bottle tops for charity. Here is how many they've collected each month.

	Month 1	Month 2	Month 3	Month 4
Class A	86	131	145	111
Class B	98	105	82	138

a In which month were the most milk bottle tops collected?

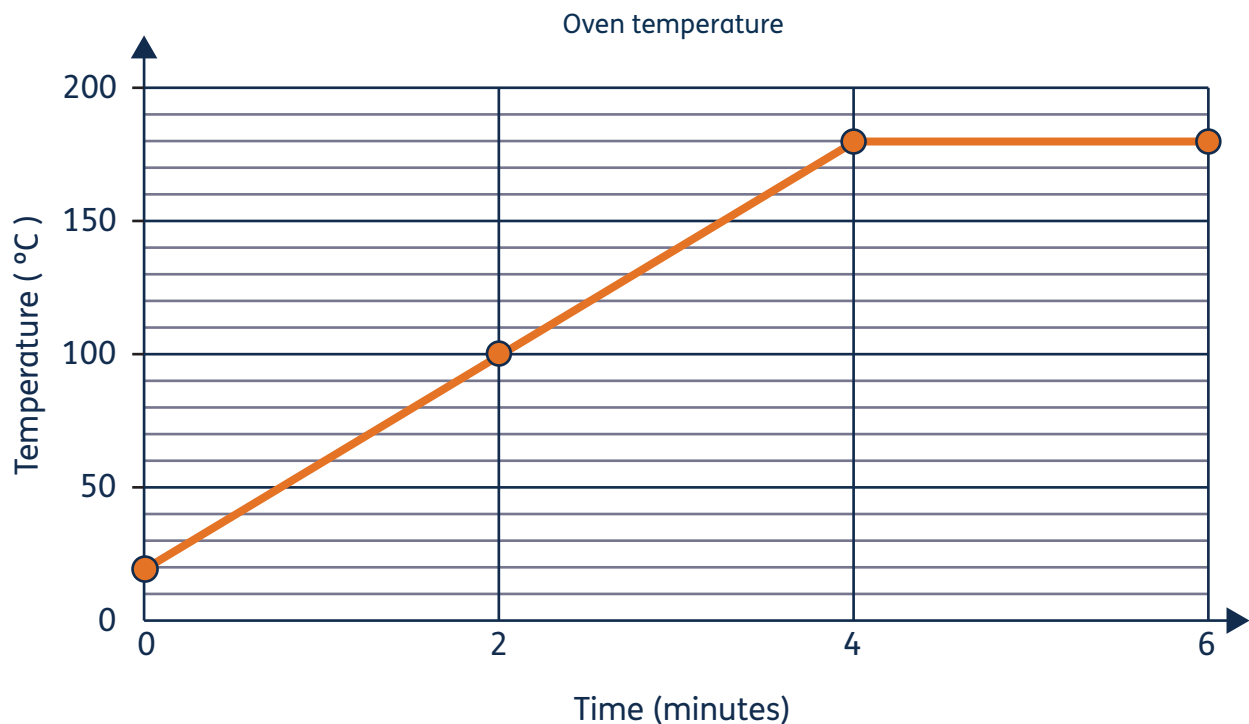**b** How many bottle tops did Class A collect all together?

c How many more bottle tops did Class A collect than Class B in Month 3?

d What is the difference between the total amount of bottle tops collected in Month 4 and Month 1?

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Question 4

This chart shows how the temperature changes when an oven is turned on.

Oven temperature

Tick which sentences are true.

The oven takes 4 minutes to warm up to 180 degrees. ☐

Before the oven is turned on, it is 0 degrees. ☐

After 2 minutes, the oven is 80 degrees. ☐

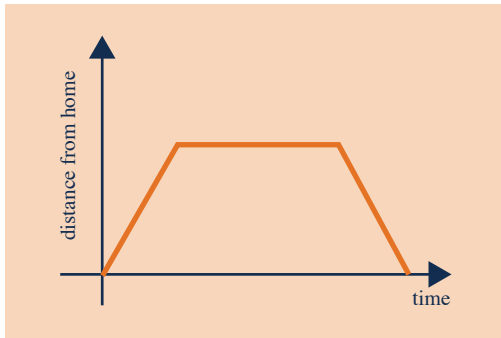After 5 minutes, the oven starts to cool down. ☐

At 6 minutes, the oven is at the same temperature as it was at 4 minutes. ☐
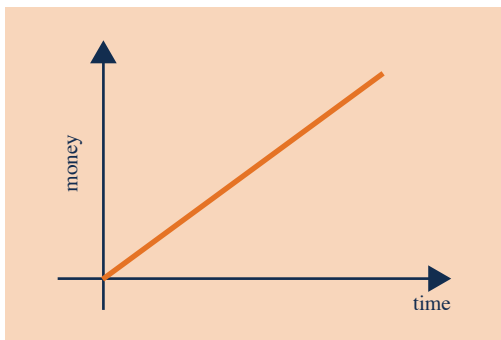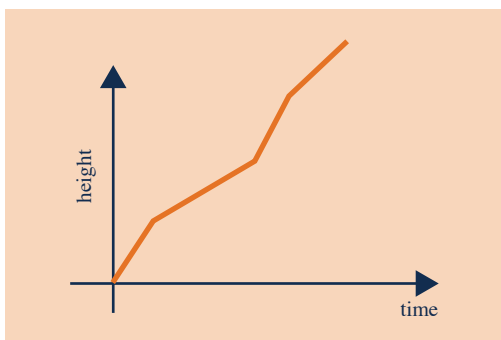
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Question 5

Here are some charts. Can you match them to the best heading?

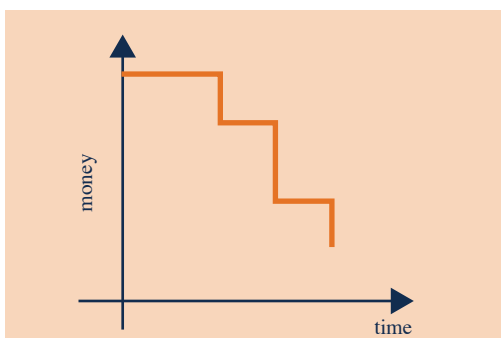A shopping trip

A charity fundraiser

A plant growing

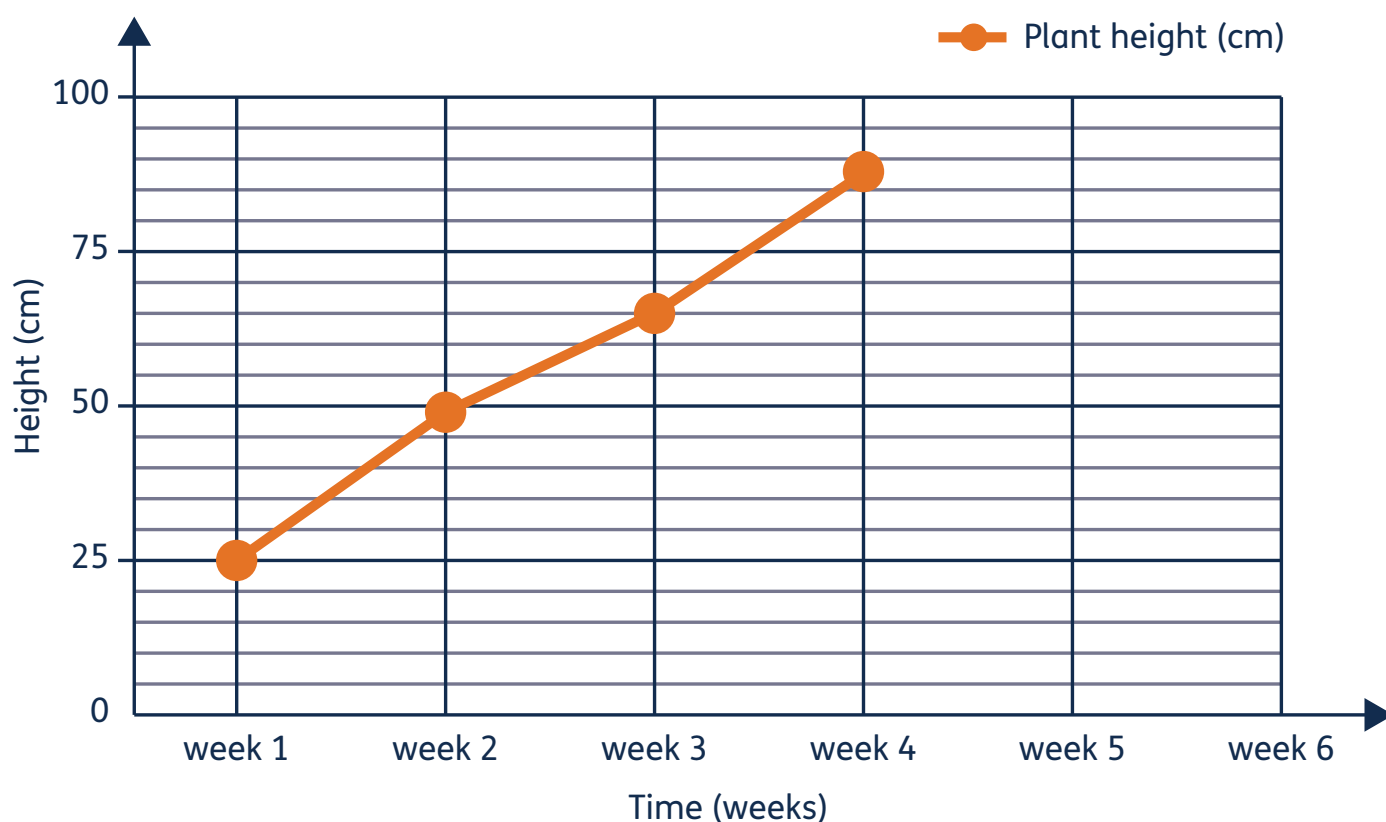A walk from my house to the park and back again

Question 6

Ahmed is growing a sunflower. He measures it at the end of every week.

He started making a line graph. Can you finish off the line graph for Weeks 5 and 6?

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Height	24 cm	49 cm	65 cm	88 cm	95 cm	100 cm

See the next page for questions about this graph.

Graph showing plant height over time

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Statistics

a In which week did the sunflower grow the most?

b Here are some possible values for Week 7.

90 cm   97 cm   112 cm

Which value is most likely to be Ahmed's measurement in Week 7? Why?

c Ahmed says, "Between week 2 and week 6 the plant more than doubled in size." Is this true?