34 Round the sum of 373 737 and 282 828 to the nearest 100 000.

700 000

35 When a number is divided by 7 it gives a quotient of 24 and a remainder of 3. What is the number?

171

36 It costs 843 500 yen to rent a 3-bedroom flat in Tokyo and 249 800 yen to rent a 1-bedroom flat. How much more does it cost to rent a 3-bedroom than a 1-bedroom flat?
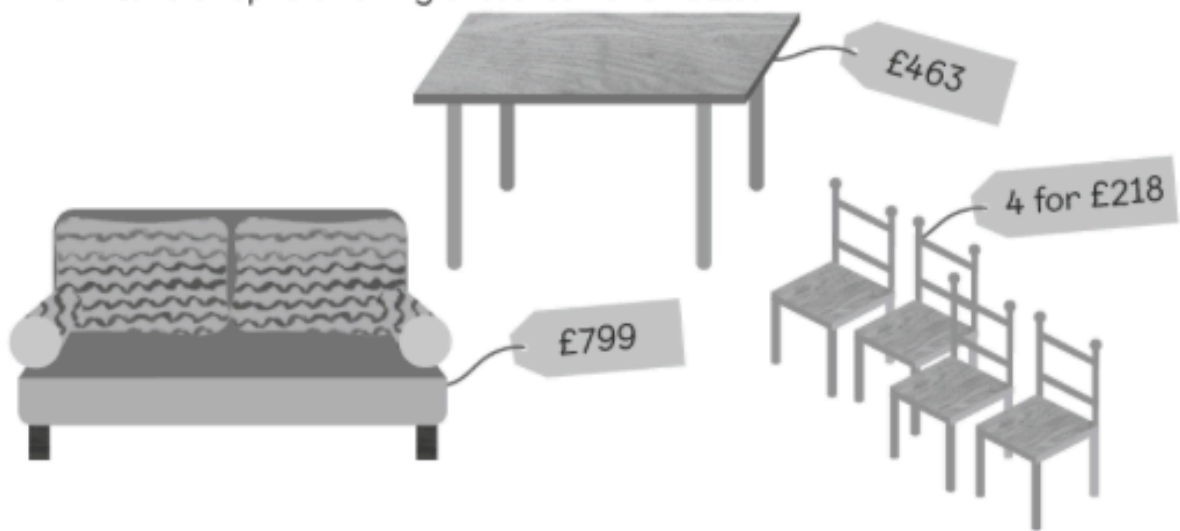
593 700

37 Ruby cut a long ribbon into 8 equal strips of $\frac{3}{4}$ m each, with nothing left. How long was the ribbon to begin with?

6 m

38 A fruit seller packed 9000 apples into 300 boxes.
Find the number of apples in each box.

30

39 A furniture shop is offering these items for sale.

£463

4 for £218

£799

(a) A hotel buys 25 sofas for their rooms. What is the total cost?
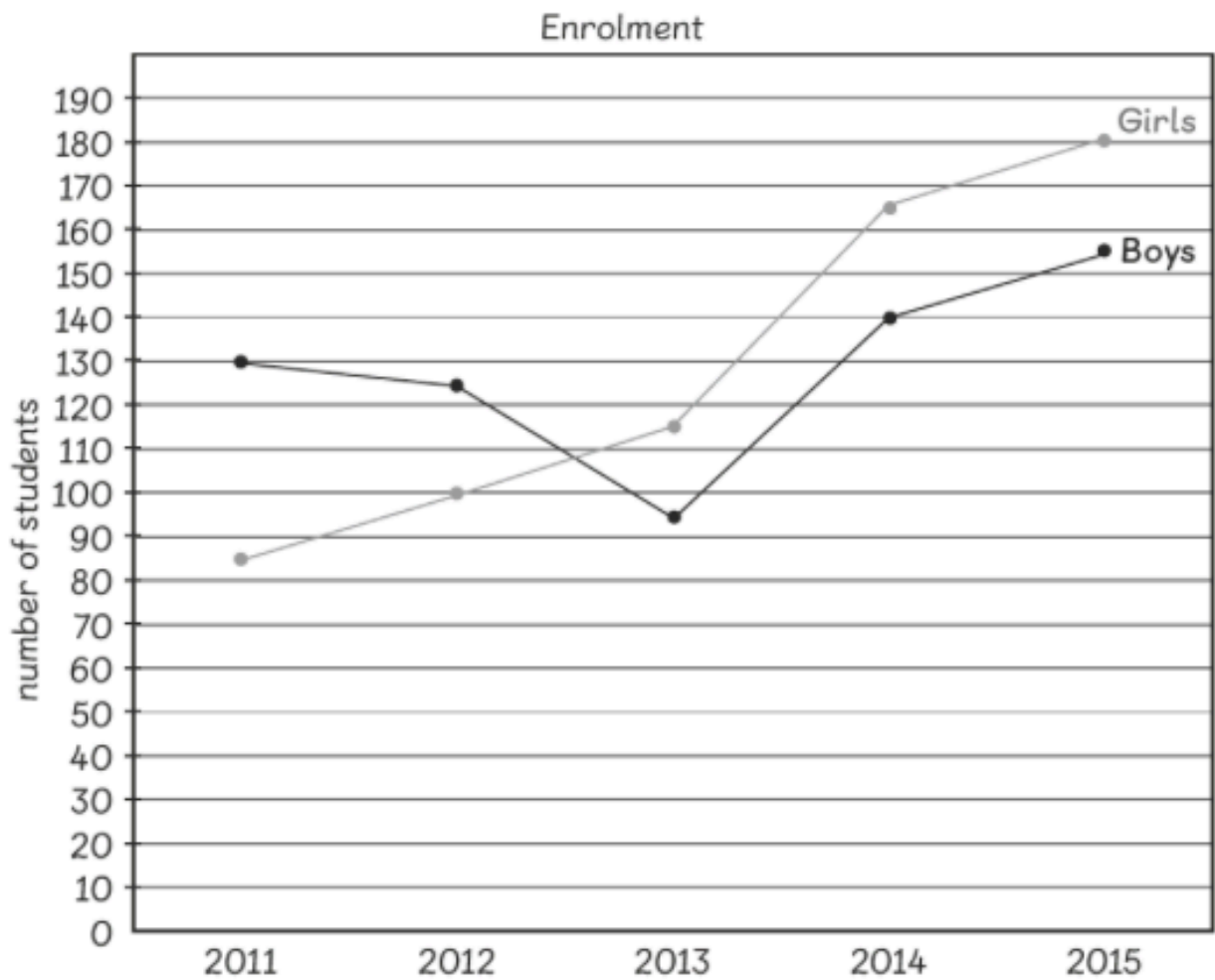
£19 975

(b) A new café owner buys 2 dining tables and 12 chairs.
How much does he need to pay?

£1580

40 The line graph below shows the number of boys and girls enrolled in a school.

Enrolment

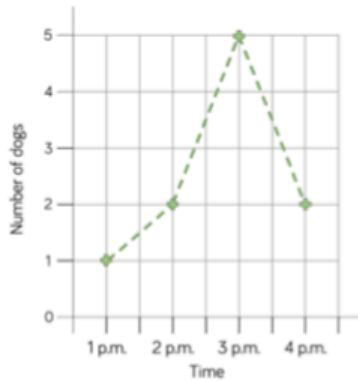(a) What was the total number of students enrolled in 2014?

305

(b) The greatest difference between the number of boys and girls enrolled was in the year 2011 .

(c) Which two consecutive years saw the greatest increase in the total number of students enrolled in the school?

2014, 2015

CHALLENGE ⭐

Tommy created a line graph to show the number of dogs walking in the park one afternoon.
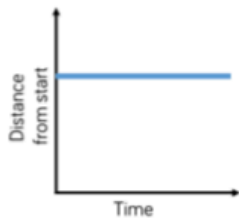

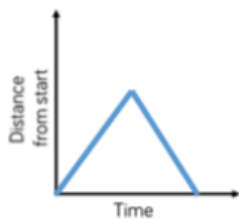Tommy says,

> At half past one there are 1.5 dogs in the park.

Why is Tommy incorrect?

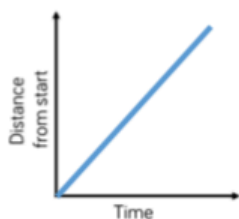What would be a better way of presenting this data?
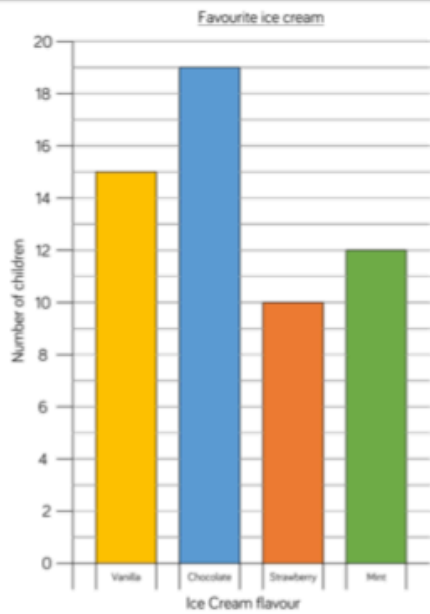

Match the graph to the activity.

A car travels at constant speed on the motorway.

A car is parked outside a house.

A car drives to the end of the road and back.

Favourite ice cream

Rosie says,

We asked 54 people altogether.

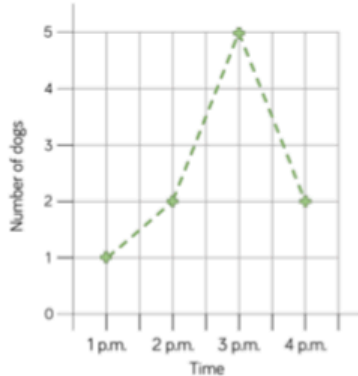Can you spot Rosie's mistake?
How many people were asked altogether?

Attraction	Number of visitors on Saturday	Number of visitors on Sunday
Animal World Zoo	1,282	2,564
Maltings Castle	2,045	1,820
Primrose Park	1,952	1,325
Film Land Cinema	2,054	1,595

True or false?

- The same number of people visited Maltings Castle as Film Land Cinema on Saturday.
- Double the number of people visited Animal World Zoo on Sunday than Saturday.
- The least popular attraction of the weekend was Primrose Park.

Answers below:

Tommy created a line graph to show the number of dogs walking in the park one afternoon.

Tommy says,

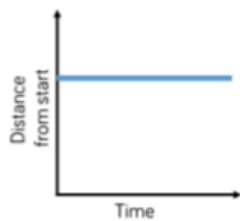> At half past one there are 1.5 dogs in the park.

Why is Tommy incorrect?

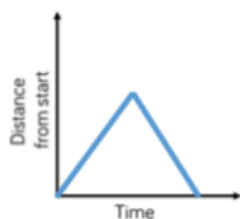What would be a better way of presenting this data?

Tommy is incorrect because you cannot have 1.5 dogs.

A better way of presenting this data would be using a bar chart, pictogram or table because the data is discrete.
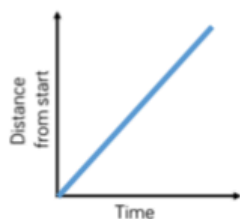
Match the graph to the activity.

A car travels at constant speed on the motorway.
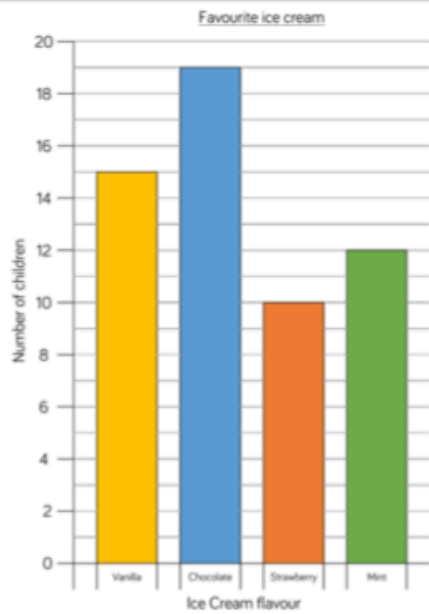
A car is parked outside a house.

A car drives to the end of the road and back.

The first graph matches with the second statement.

Second graph with the third statement.

Third graph with the first statement.

Favourite ice cream

Rosie says,

> We asked 54 people altogether.

Can you spot Rosie's mistake?
How many people were asked altogether?

Rosie has read the bar chart incorrectly.
15 people chose vanilla, 19 people chose chocolate, 10 chose strawberry and 12 chose mint.
That means 56 people were asked altogether.

Attraction	Number of visitors on Saturday	Number of visitors on Sunday
Animal World Zoo	1,282	2,564
Maltings Castle	2,045	1,820
Primrose Park	1,952	1,325
Film Land Cinema	2,054	1,595

True or false?

- The same number of people visited Maltings Castle as Film Land Cinema on Saturday.
- Double the number of people visited Animal World Zoo on Sunday than Saturday.
- The least popular attraction of the weekend was Primrose Park.

- False
  The Film Land Cinema had 9 more visitors that Maltings Castle

- True
  1,282 doubled is 2,564

- True
  Animal World Zoo - 3,846
  Maltings Castle - 3,865
  Primrose Park - 3,277
  Film Land Cinema - 3,649