Vocabulary check

discrete data   continuous data
line graph
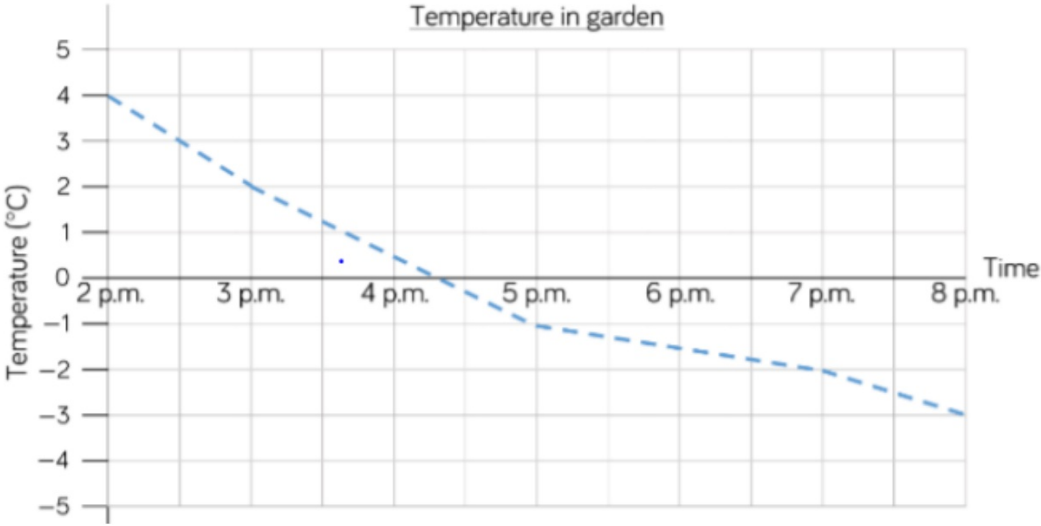title
label
axis/axes
scale
interval
value
measure
units

What is this graph telling us about?
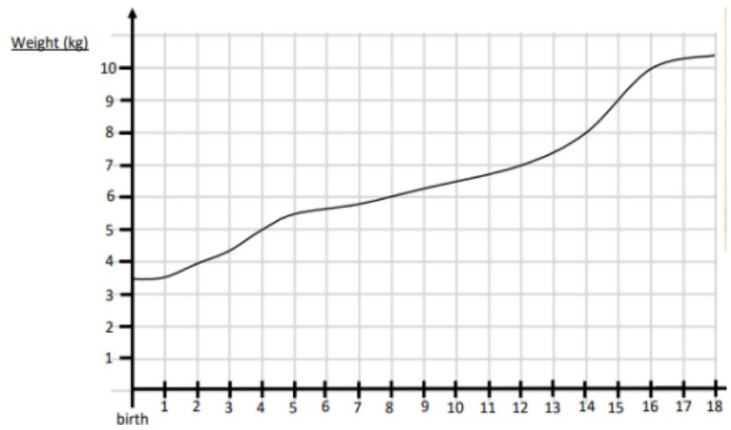# Describe 'what happened' on this day.

Temperature in garden

Where do we see examples of line graphs in real life?
How are line graphs different to bar charts? How are they the same?

Population growth
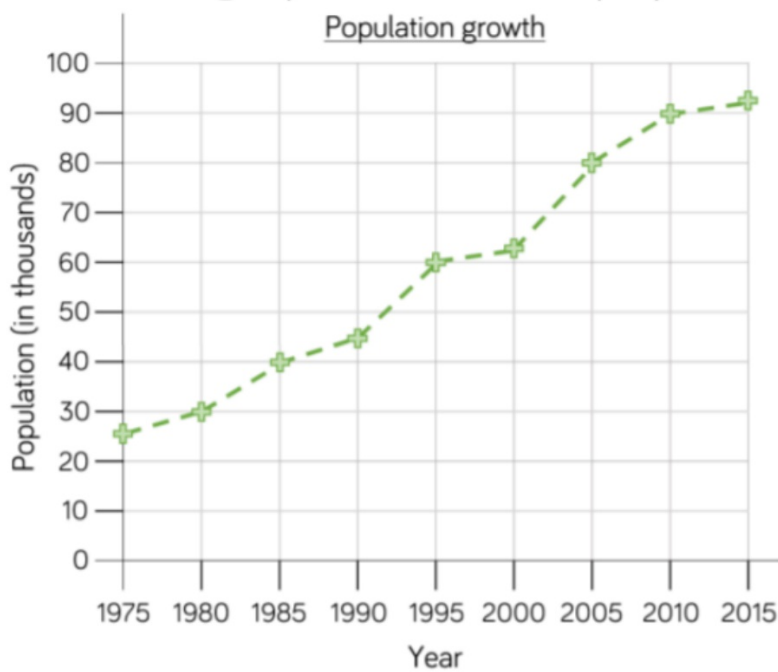
What can we say
about this line graph?

Playground Temperature

Weight (kg)
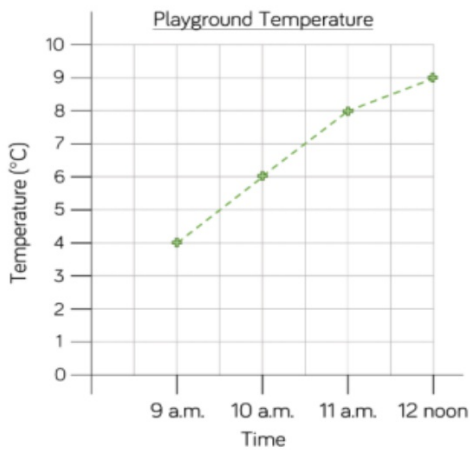
	5	7	8.5

	5	6	7

Match the table to the line graph.

What is the missing information in each table?
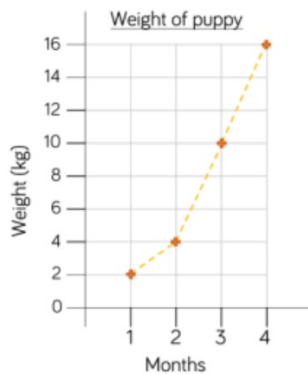
How do you know?

Try It

1. The graph shows the growth of a plant over 6 months.
   - How tall was the plant when it was measured in May?
   - In what month did the plant first reach 50 cm?
   - How many centimetres did the plant grow between March and July?
   - What was the difference between the height of the plant in February and the height of the plant in April?

Plant Growth

2.
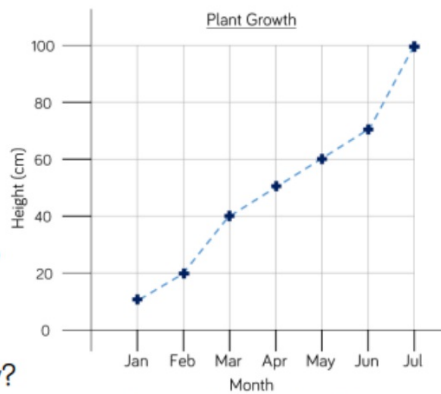
Weight of puppy

The graph shows the weight of a puppy as it grows.

When the puppy is ____ months old the weight is ____kg

Between month ____ and month ____ the puppy increased by ____ kg

Use It

The graph shows the number of cars sold by two different companies.

Key
■ - Ace Motors ■ - Briggs
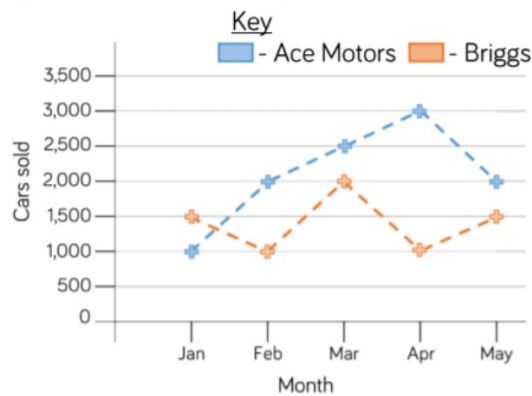
- How many more cars did Ace Motors sell than Briggs in April?
- From January to March, how many cars did each company sell? Who sold more? How many more did they sell?
- Crooks Motors sold 250 more cars than Briggs each month.
  Plot Crooks Motors' sales on the graph.
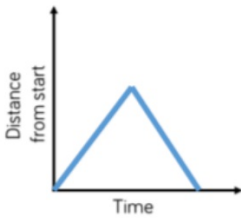 Draw a table that shows the car sales for all three companies

Prove It

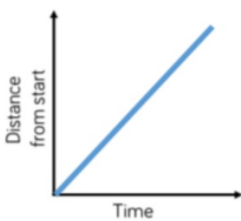1. What is the story for each line graph? Match them and explain how you know.

Match the graph to the activity.
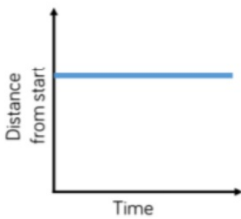
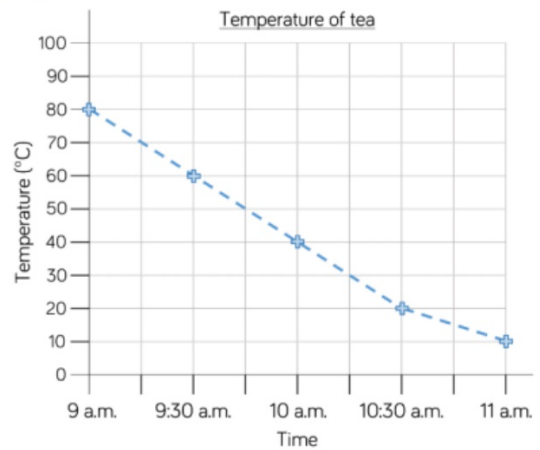A car travels at constant speed on the motorway.

A car is parked outside a house.

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

2. Eva measured the temperature of a cup of tea every 30 minutes for 2 hours. The graph shows Eva's results.

Eva says,

In the first 45 minutes the temperature of the tea had dropped by 20 degrees.

Do you agree with Eva? Explain why.