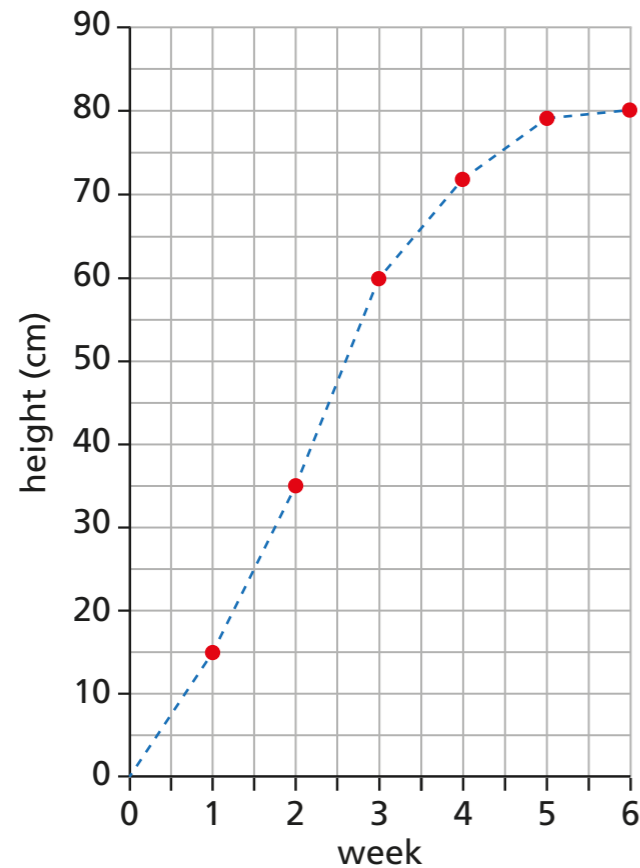# Read and interpret line graphs

1 The graph shows the height of a sunflower on the first day of each week for 6 weeks.

a) What is the height of the sunflower at the start of week 3?

60cm

b) What is the height of the sunflower at the start of week 2?
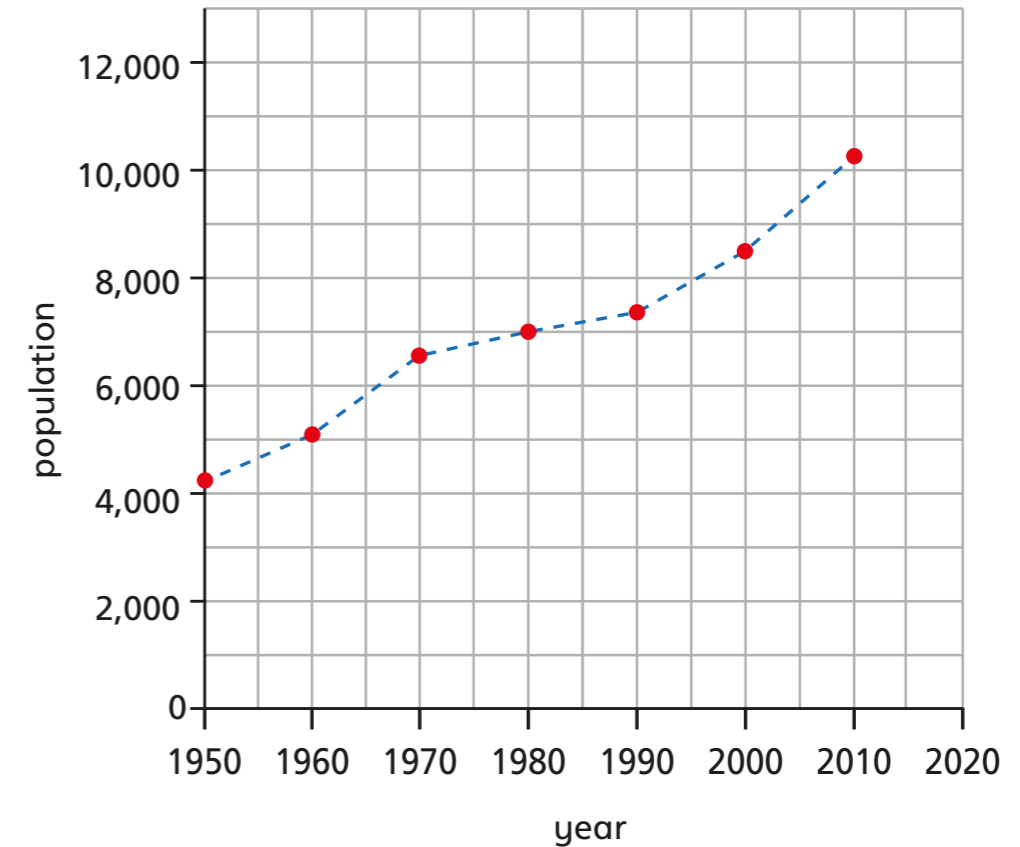
35cm

c) Eva thinks the height of the sunflower at the start of week 4 is 75 cm. Explain why Eva is wrong.

She has read the graph wrong, it's between 70cm and 75cm.

d) By how much does the sunflower grow from the start of week 3 to the start of week 6?

20cm

2 The graph shows the population of a town at the end of each decade from 1950 to 2000

a) What was the population at the end of 1980?

7,000

b) What was the population at the end of 2000?

8,500

c) Can you accurately tell the population in 1991? Why?

No. Various reasons acceptable e.g. it's only a bit into a square, it wasn't measured in that year.
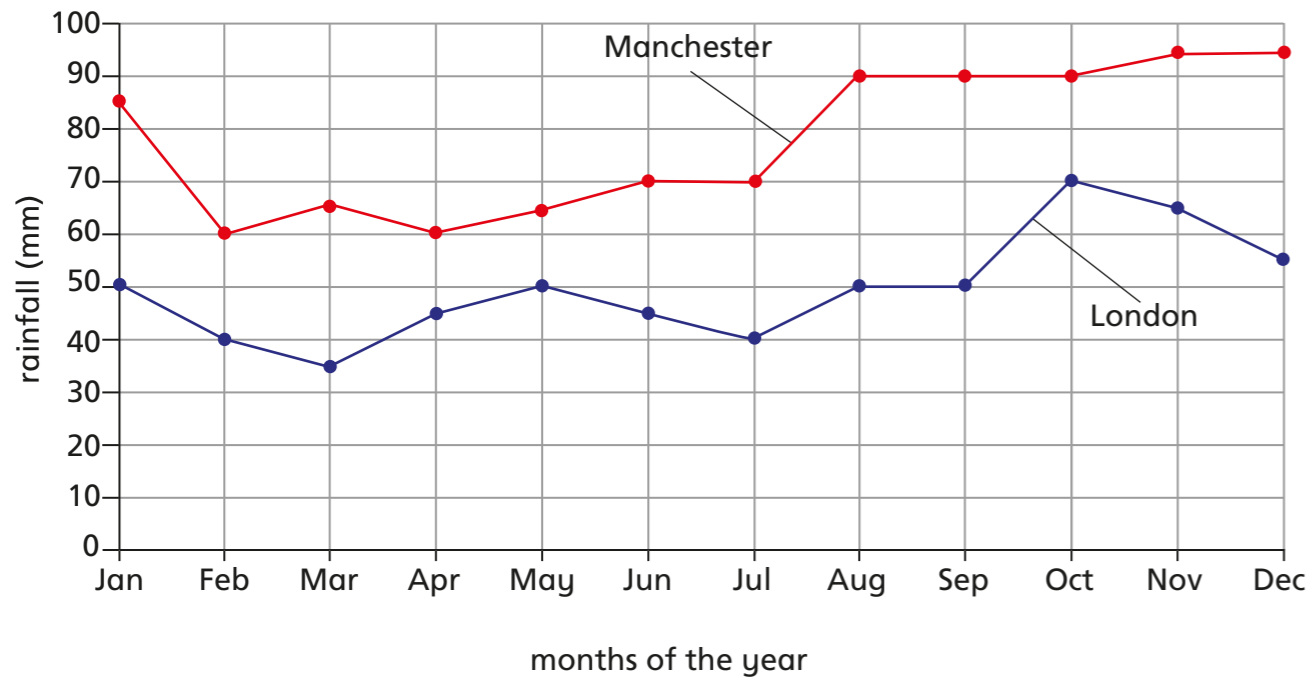
d) Which decade had the least population increase? 1980

e) Predict the population at the end of 2020
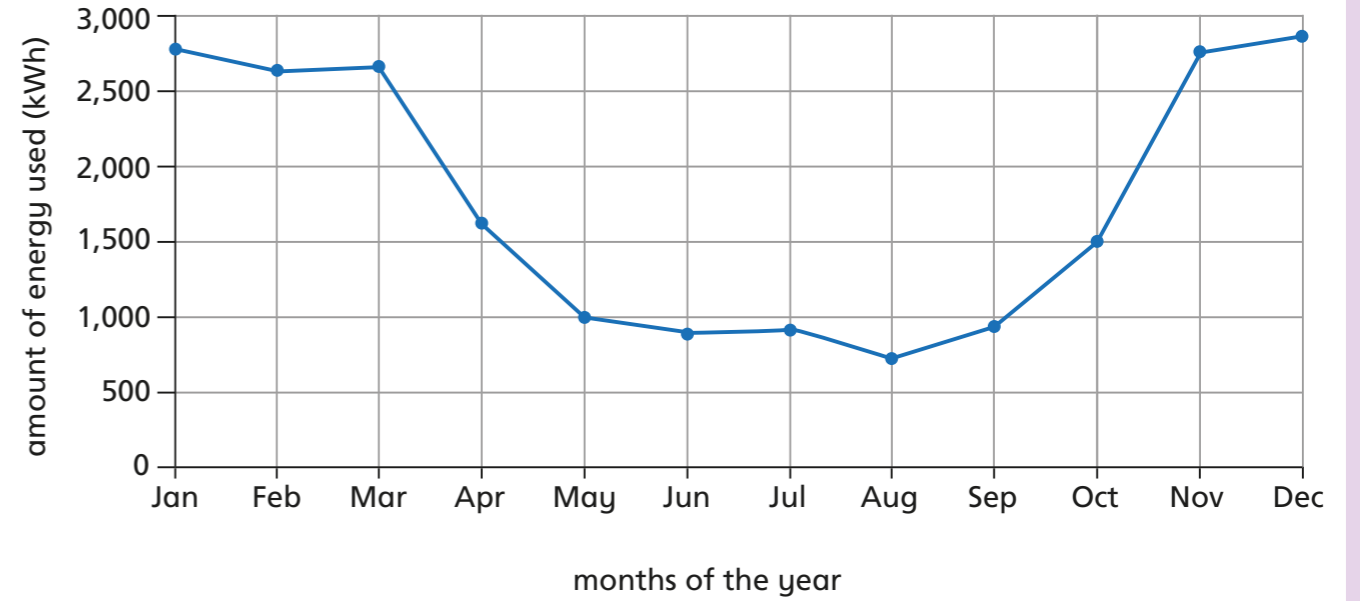
Compare answers with a partner.

3 This graph shows the average rainfall in London and Manchester to the nearest 5 mm.

months of the year

a) How many millimetres of rain falls in London in May? 50mm

b) Which months are the driest in Manchester?

February and April

c) Which is the wettest month in London? October

d) In January, how much more rainfall is there in Manchester than London? 35mm

e) How many months does it rain more than 50 mm in London and Manchester? 3

f) How much more rainfall is there in Manchester than London in December? 40mm

4 Energy is measured in kWh (kilowatt hours).

This graph shows the amount of energy being used at different times of the year in one household.

months of the year

Describe three things that you know from looking at the graph.

e.g. Less energy is used in the middle of the year.

The least energy is used in August.

The most energy is used in December.

Describe three things that you could find out from the graph.

e.g. The difference in the amount of energy used.

The total amount of energy used.

The month with the biggest change.