

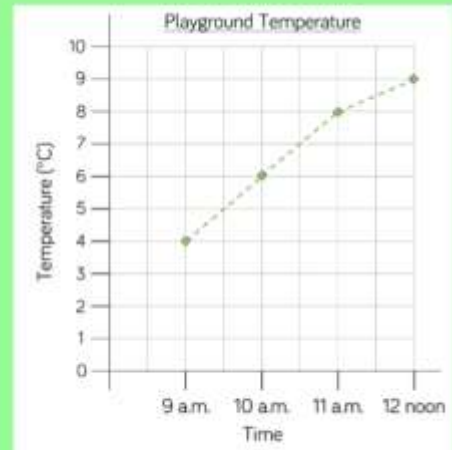
## Y4 – Statistics – Monday

### LO: line graphs

Line graphs are often used to track continuous data over time.

Continuous data sets are values like height, weight, length, temperature and other measurements.

You may have seen line graphs during the pandemic which show things like the number of confirmed covid-19 cases each day or week. These can then be used to compare countries by plotting multiple lines on the same graph.



What is the temperature at 9am?

**4°C**

What is the warmest temperature in the morning?

**9°C**

How much did the temperature increase between 9am and 11am?

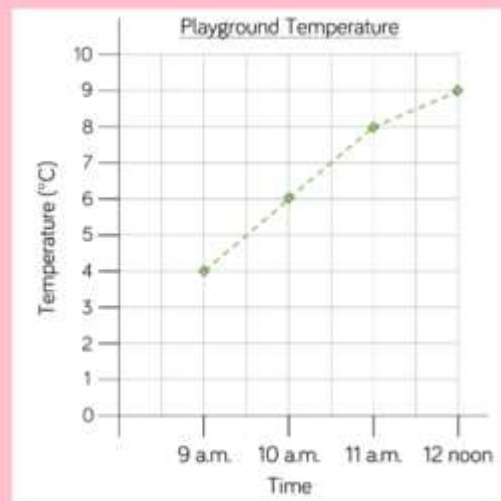
**4°C**

What was the temperature at half past ten?

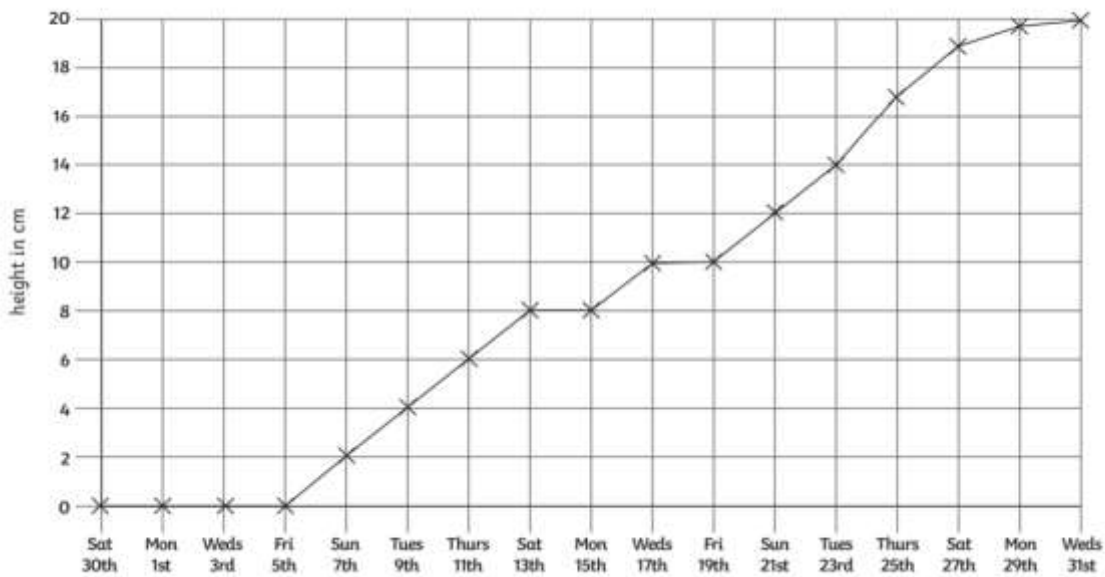
**7°C**

Predict what the temperature was at 8am?

**2°C**



Here is a line graph showing a sunflower's growth. It was planted on Saturday 30th July and its height was measured every 2 days.



## Questions

1. How many days did the plant take to grow 8cm?

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2. What is the height difference between Wednesday 17th and Tuesday 23rd?

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3. What is the height of the plant on these days:

a) Thursday 11th

b) Friday 19th

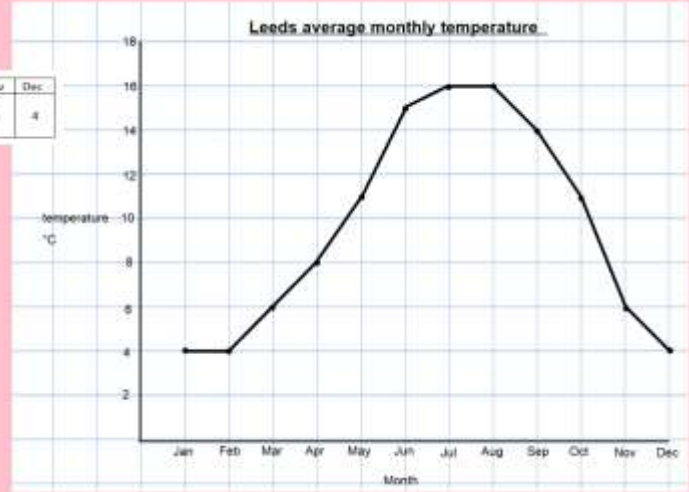
c) Monday 29th

4. Why do you think there is no measurement in the first week?

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Use the data in the table to create a line graph.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average temperature (°C)	4	4	6	8	11	15	16	16	14	11	6	4

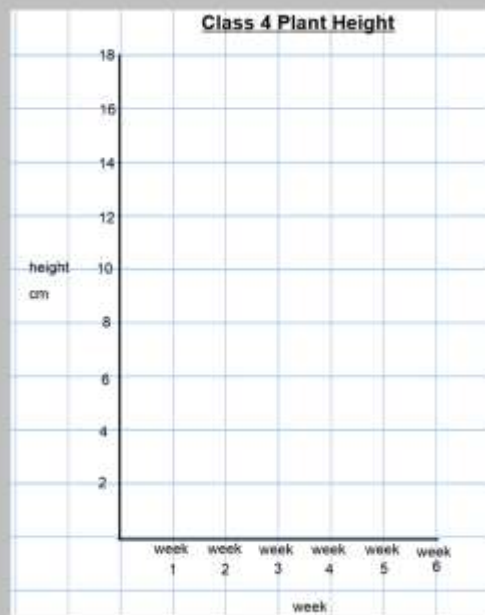


Class 4 grew a plant. They measured the height of the plant every week for 6 weeks. The table shows the height of the plant each week.

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
4 cm	7 cm	9 cm	12 cm	14 cm	17 cm



Create a line graph to represent this information. What scale would you use on the x and y axes? Between which two weeks did the plant reach a height of 10 cm?

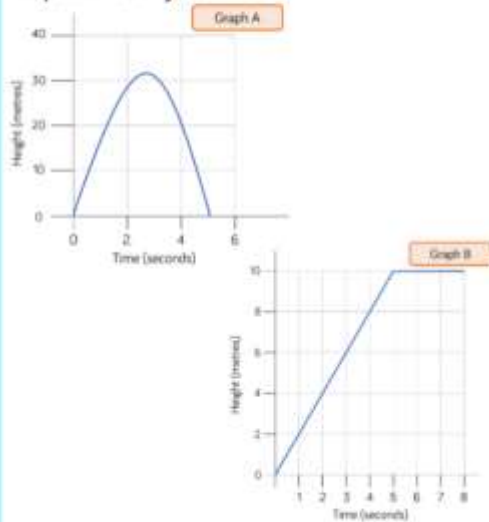


## Go on! Have a go!

Jack launched a toy rocket into the sky.  
After 5 seconds the rocket fell to the ground.

Which graph shows this?

Explain how you know.



Make up your own story for the other graph.