

Line graphs and timetables

Lesson 1: Interpret line graphs

- To read and interpret information presented in a line graph

Lesson 2: Interpreting line graphs

- To read and interpret information presented in a line graph

Lesson 3: Reading line graphs

- To read and interpret information presented in line graphs

Lesson 4: Line graphs and tables

- To read and interpret information presented in line graphs

Lesson 5: Constructing line graphs

- To present information as a line graph

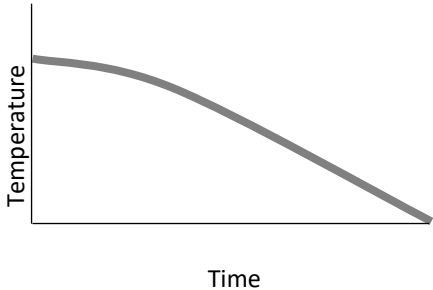
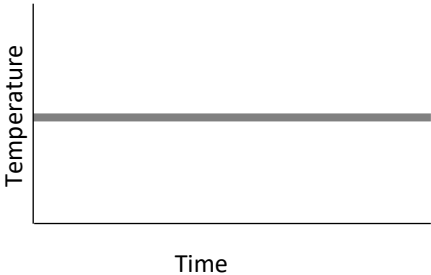
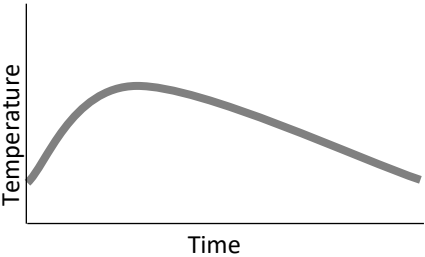
Key Learning: To interpret information displayed in a line graph.

The graphs show the temperature across a day. Match the statements.

The temperature stayed the same all day.

The temperature decreased across the day.

The temperature increased and then decreased.



In the morning the temperature decreased slowly.

In the morning the temperature stayed the same.

In the morning the temperature increased.

In the afternoon the temperature decreased.

In the afternoon the temperature stayed the same.

In the afternoon the temperature decreased more quickly.



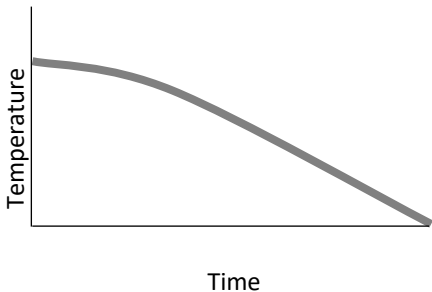
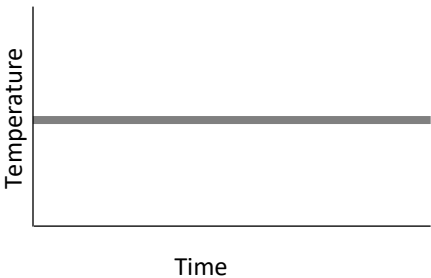
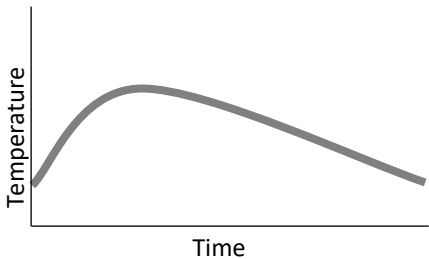
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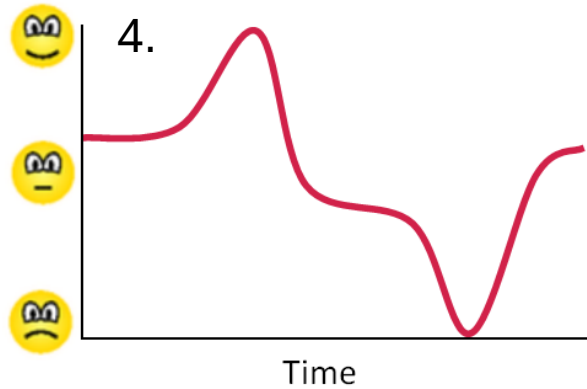
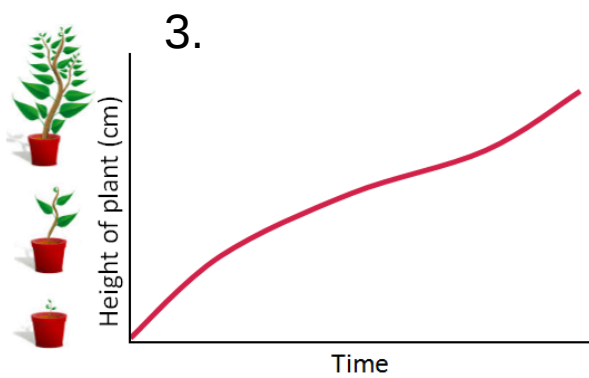
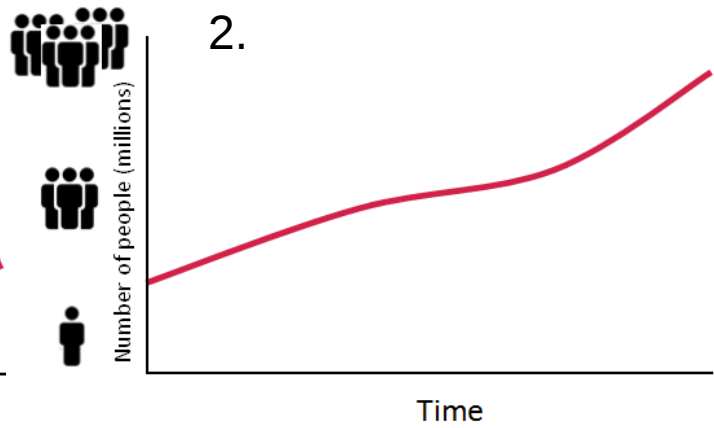
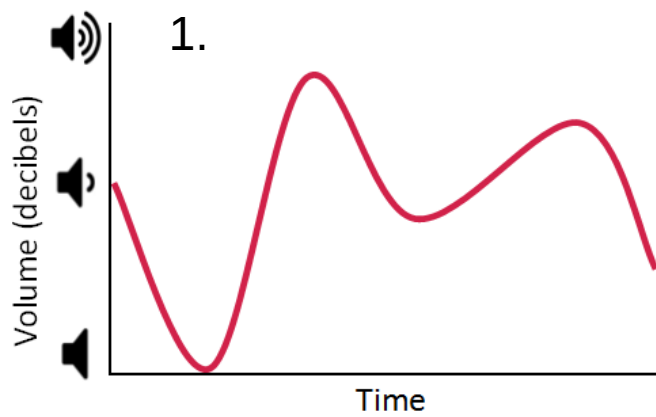
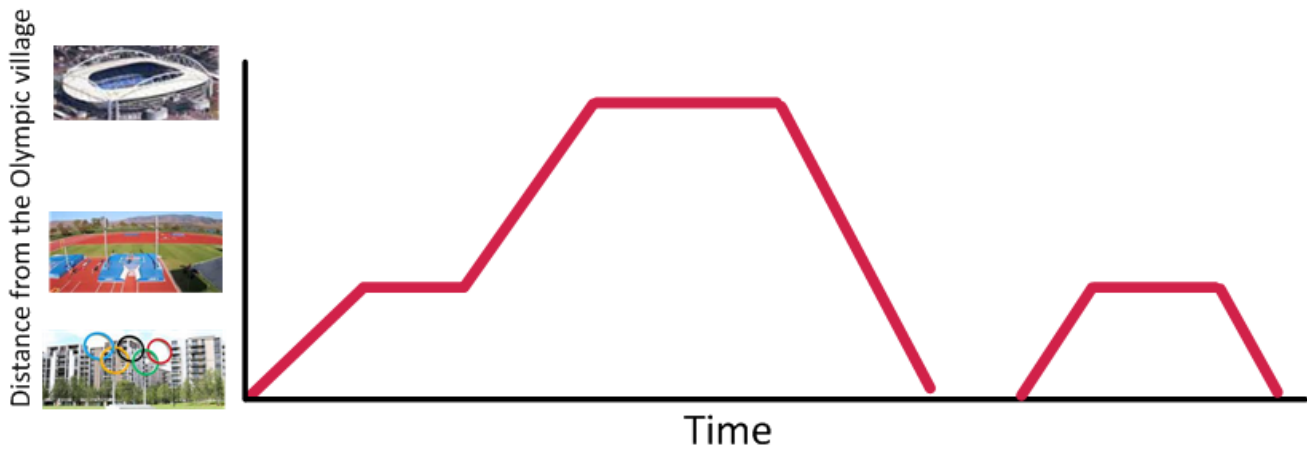
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Key Learning: To interpret information displayed in a line graph.

The story of the graph
For each graph, look carefully at the information represented and match the story to the graph.

Journeys taken by a driver of an athlete



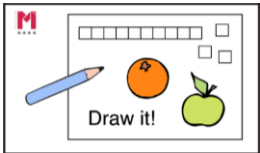
Key Learning: To interpret information displayed in a line graph.

A.
Over the duration of the duration of the Olympics viewing figures steadily increased and peaked during the closing ceremony.

B.
While watching the final day of events the spectators were asked to record their mood. The majority of the audience began by feeling neutral. Once the events had started and reached an exciting stage the mood was happy. However, as the favorite athletes did not perform well, the mood dropped before rising again for the closing ceremony.

C.
Shortly after the school disco started the speaker broke and the sound stopped. After a quick repair the sound started again was raised to a loud level. After a complaint, the volume was lowered slightly. Just before the end of the disco, the volume was increased before being turned down as people left.

One graph is missing a story, complete a story that could match in the box below.

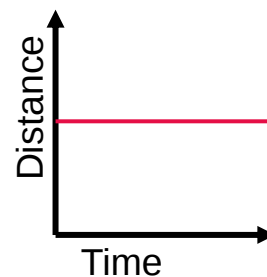
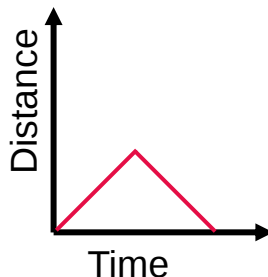
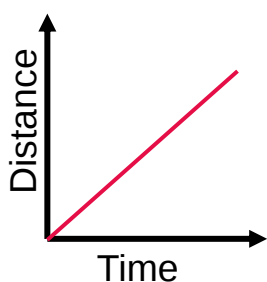
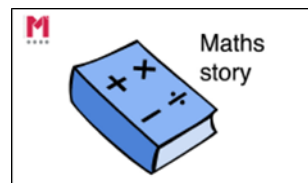


Create a line graph that shows the noise level in the classroom throughout the school day.

Key Learning: To interpret information displayed in a line graph.

What's the story?

Match each Maths Story to the line graph.
Explain how you know?



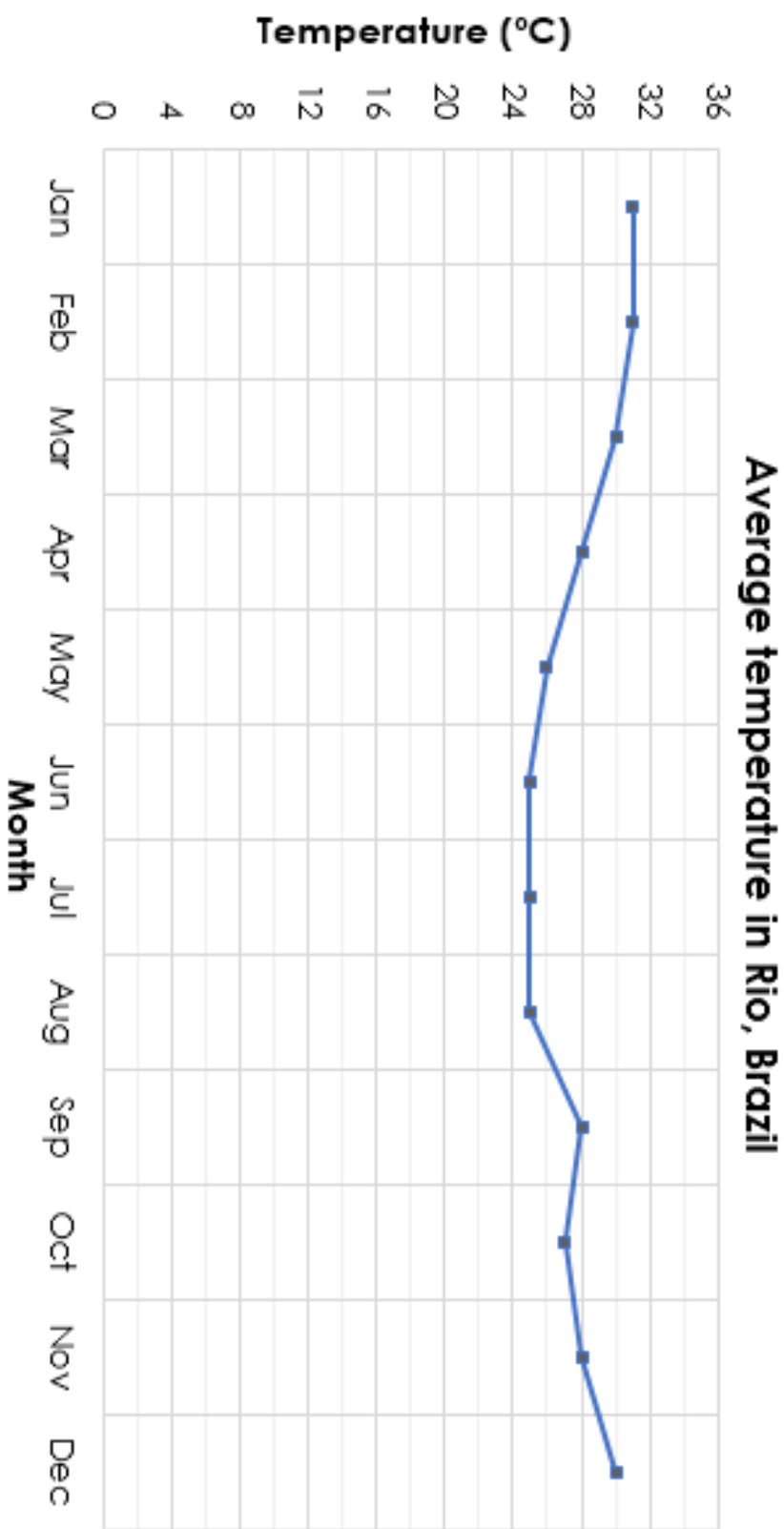
A bus travels at a constant speed along the motorway.

A person walks at a constant speed, stops for a break, then carries on.

A car is parked in a car park.

Create a Maths Story for the graph that is left.

Key Learning: To read and interpret information presented in a line graph

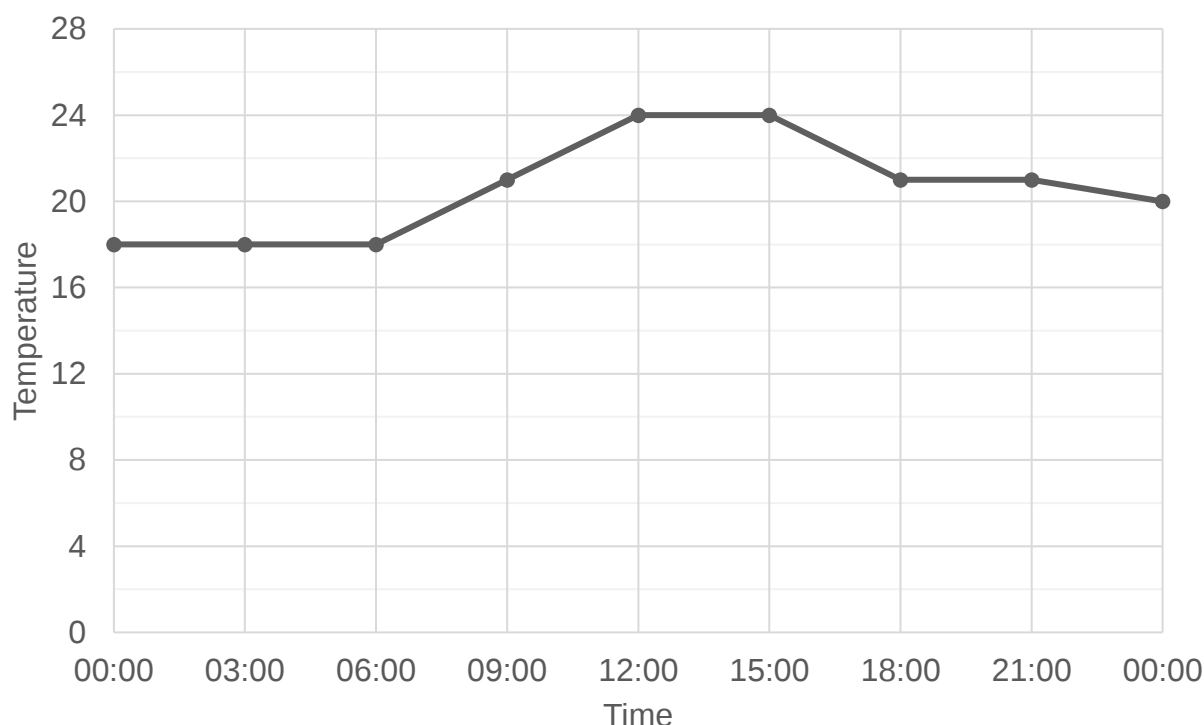


Time	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Temperature												

Key Learning: To read and interpret information presented in a line graph

Annotate the graph with the temperature at each interval as well as the amount of change which has happened between each interval.

Temperature in Rio on Super Saturday (August 13th 2016)



- 1) How do you know that between 12 p.m. and 3.p.m. was the hottest time of the day?
- 2) Correct the errors in this response: *The temperature decreases across the morning, reaching a low of 24 degrees between 12:00 and 15:00 It then increases through the evening and finishes at a lower temperature than the night before.*
- 3) Between which time intervals does the temperature increase the most?
- 4) Sketch a graph showing your predictions for the week between the Saturdays.