

Read and Interpret Line Graphs

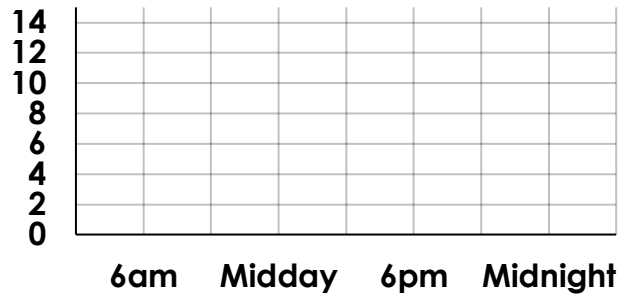
1. What is missing from the graph?

Use the checklist to make sure the graph has all of these items.

- ☐ Y axis label
- ☐ X axis label
- ☐ Scales

6am	Midday	6pm	Midnight
4	12	8	2

Temperature in London



2. Use the data in the table to complete the line graph.

3. Use the line graph to fill in the gaps.

After 20 minutes, Dave cycled ____ km.
Dave stops cycling after ____ minutes.

4. Tick the correct answer.

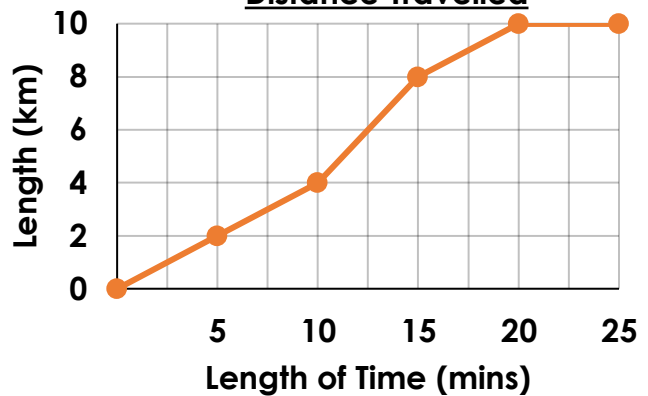
In which 5 minute period did Dave cycle the furthest?

0 and 5 mins

5 and 10 mins

10 and 15 mins

Distance Travelled



5. Explain who is correct.



Blair

Tom's heart rate increased the most in between 10 and 15 minutes.

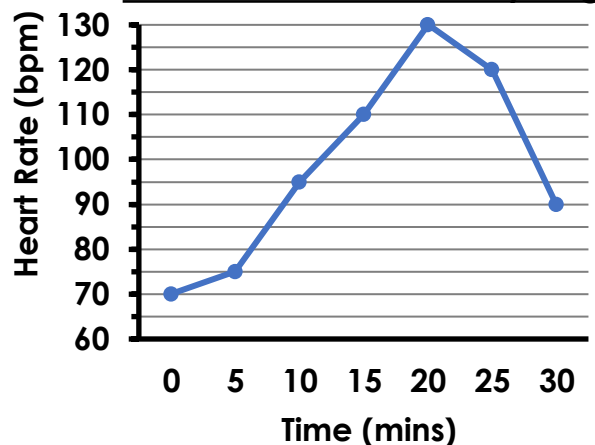
Tom's heart rate increased the least in the first five minutes.



Lisa

6. Tom's heart rate at 40 minutes was higher than at 30 minutes but less than at 25 minutes. It was the fourth highest rate recorded but only fell on a marked increment. What could his heart rate have been at 40 minutes?

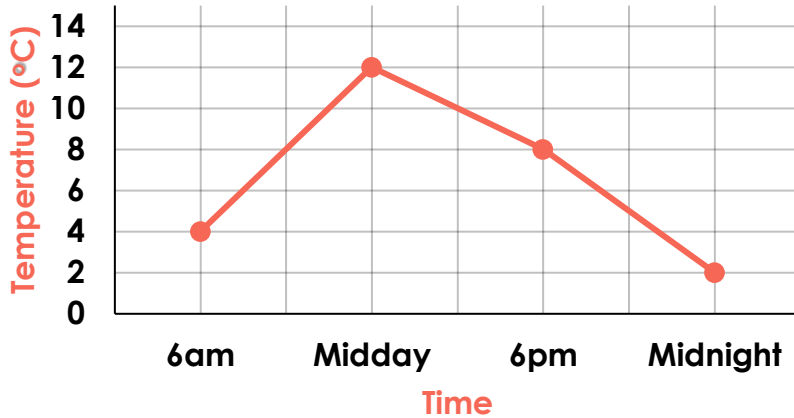
Tom's Heart Rate whilst Cycling



Read and Interpret Line Graphs

1. Both the Y axis and the X axis label are missing. The Y axis label should say 'Time' and the X axis label should say 'Temperature'.

2. **Temperature in London**



3. 10 km; 20 minutes

4. 10 and 15 mins

5. Lisa is correct. In the first five minutes Tom's heart rate only increased by 5bpm. Between 10 and 15 minutes of cycling, Tom's heart rate increased by 15 bmp, which is not the greatest increase because between 5 and 10 minutes and 15 and 20 minutes Tom's heart rate increased by 20bpm.

6. 95bpm, 100bpm or 105bpm.