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

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

VF

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

After 20 minutes, Dave cycled _____km.
Dave stopped 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

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5. Explain who is correct.

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

Lisa: Tom's heart rate increased the least between five and ten minutes.

6. Tom's heart rate at 30 minutes was higher than at 10 minutes but less than at 15 minutes. It was the fourth highest rate recorded but only fell on a marked increment.
What could his heart rate have been at 30 minutes?

RPS

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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.

3. 10 km; 20 minutes
4. 10 and 15 mins
5. Lisa is correct. Between five and ten minutes Tom's heart rate only increased by 10 bpm, which is the smallest increase. Between 10 and 15 minutes of cycling, Tom's heart rate increased by 20 bmp, which is not the greatest increase because between 0 and 5 minutes and 15 and 20 minutes, Tom's heart rate also increased by 20 bpm.
6. 100 bpm

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