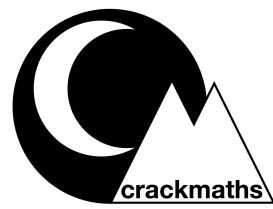


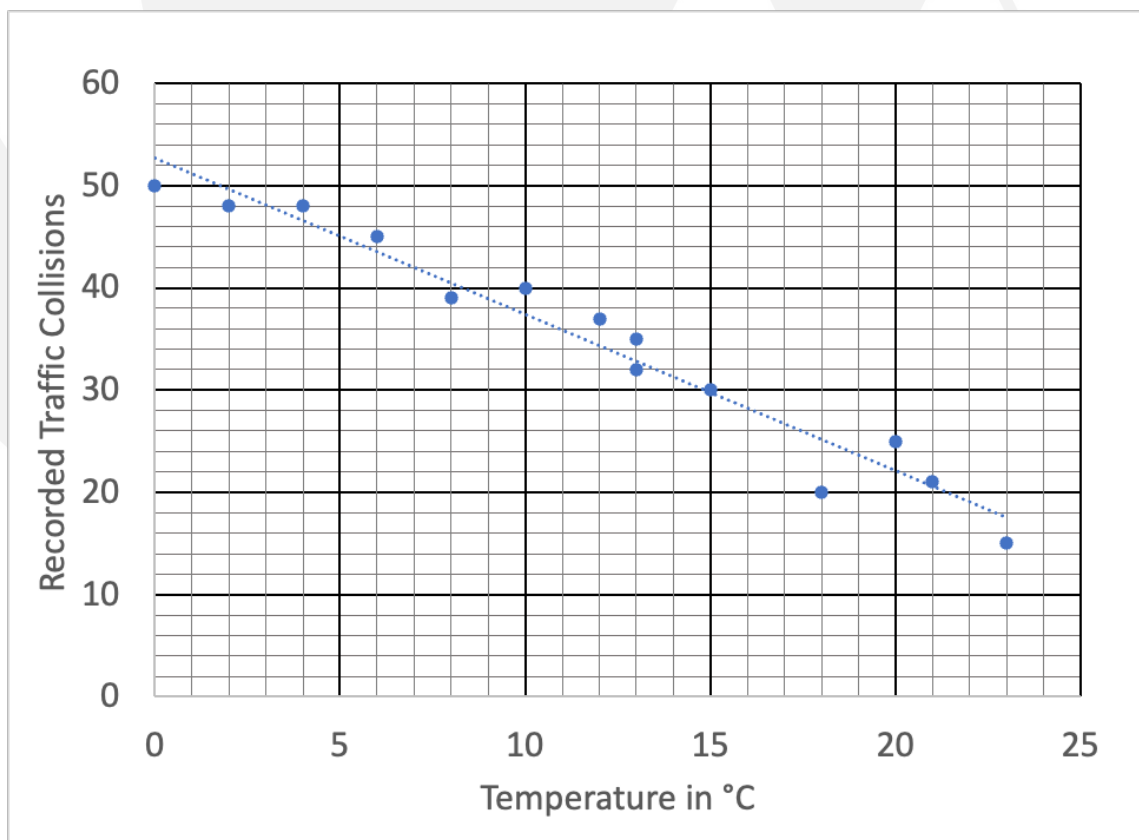
70. How to make estimates using a scatter graph



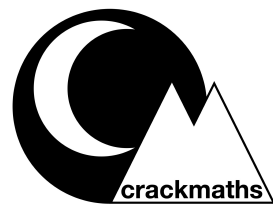
Practice Questions:

1. One day there was 20 traffic collisions, use the scatter graph to estimate the temperature that day in $^{\circ}\text{C}$.

2. What would be a reasonable number of traffic collisions to expect on a day where the weather is 5°C ?



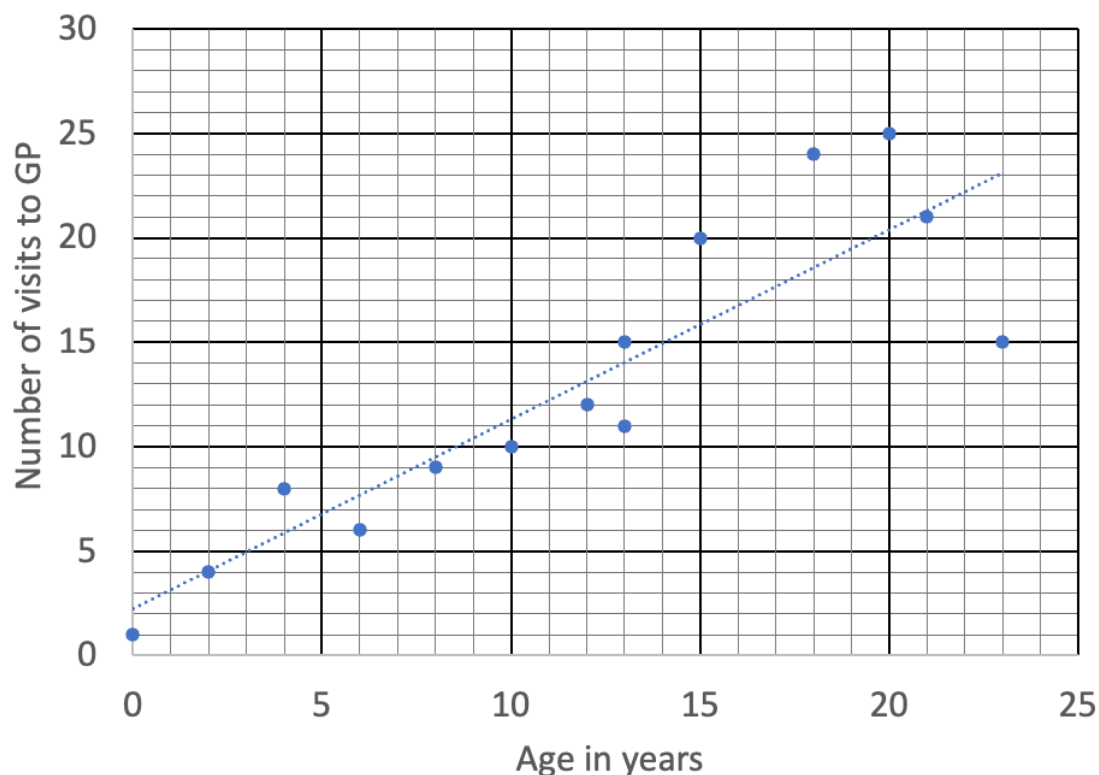
70. How to make estimates using a scatter graph



Practice Questions:

3. How many more visits to the GP would you expect someone who is 20 to have had compared to someone who is 5?

4. A patient has just visited the GP for the 10th time. Use the line of best fit to estimate their age.



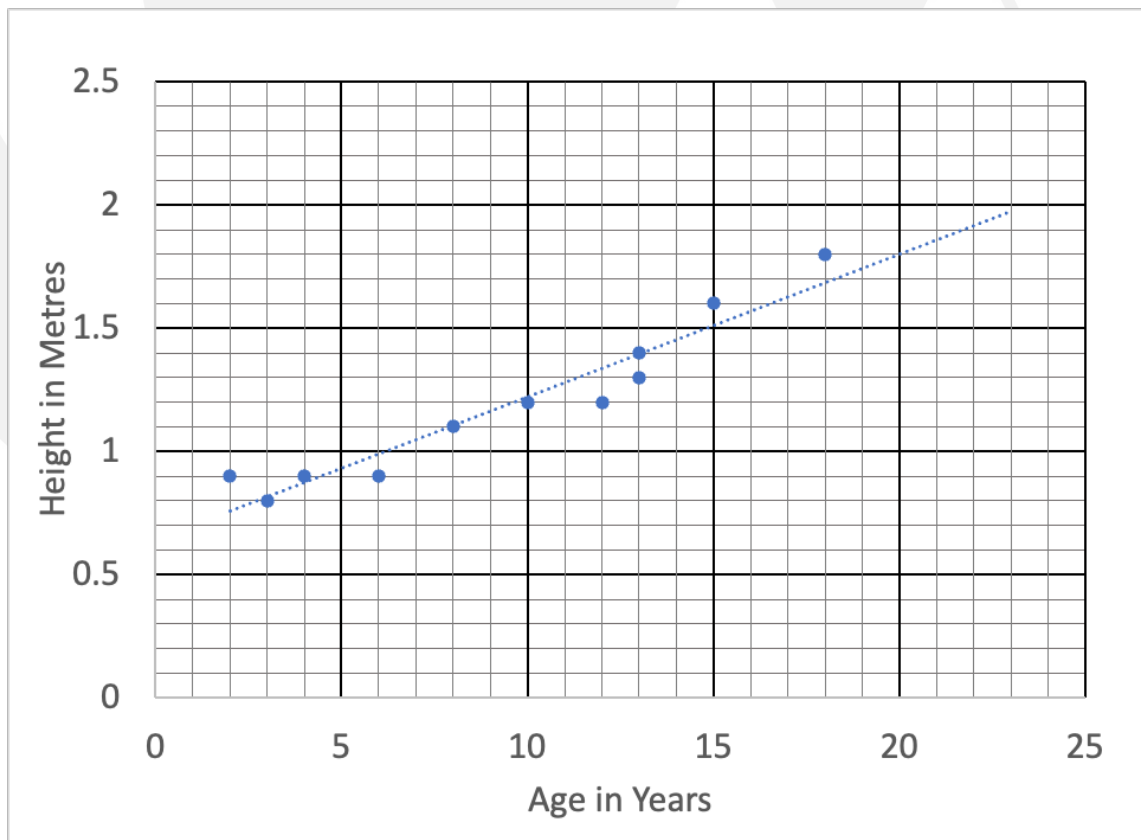
70. How to make estimates using a scatter graph



Practice Questions:

5. Use the line of best fit to estimate in metres of how tall you might expect a 7 year old to be.

6. Explain why it might not be appropriate to use the line of best fit to estimate the height of a 0 year old?



70. How to make estimates using a scatter graph



Practice Questions: **Answers**

1. One day there was 20 traffic collisions, use the scatter graph to estimate the temperature in $^{\circ}\text{C}$.

1. Approximately 21°C

2. What would be a reasonable number of traffic collisions to expect on a day where the weather is 5°C ?

2. Approximately 45.

3. How many more visits to the GP would you expect someone who is 20 to have had compared to someone who is 5?

3. Approximately 15 more visits (21 - 6)

4. A patient has just visited the GP for the 10th time. Use the line of best fit to estimate their age.

4. Approximate 8.5 years old

5. Use the line of best fit to estimate in metres of how tall you might expect a 7 year old to be.

5. 1.1 metres

6. Explain why it might not be appropriate to use the line of best fit to estimate the height of a 0 year old?

6. There is no data after someone who is 0. The rate of growth in the first year might not follow the same pattern as the collected data

