

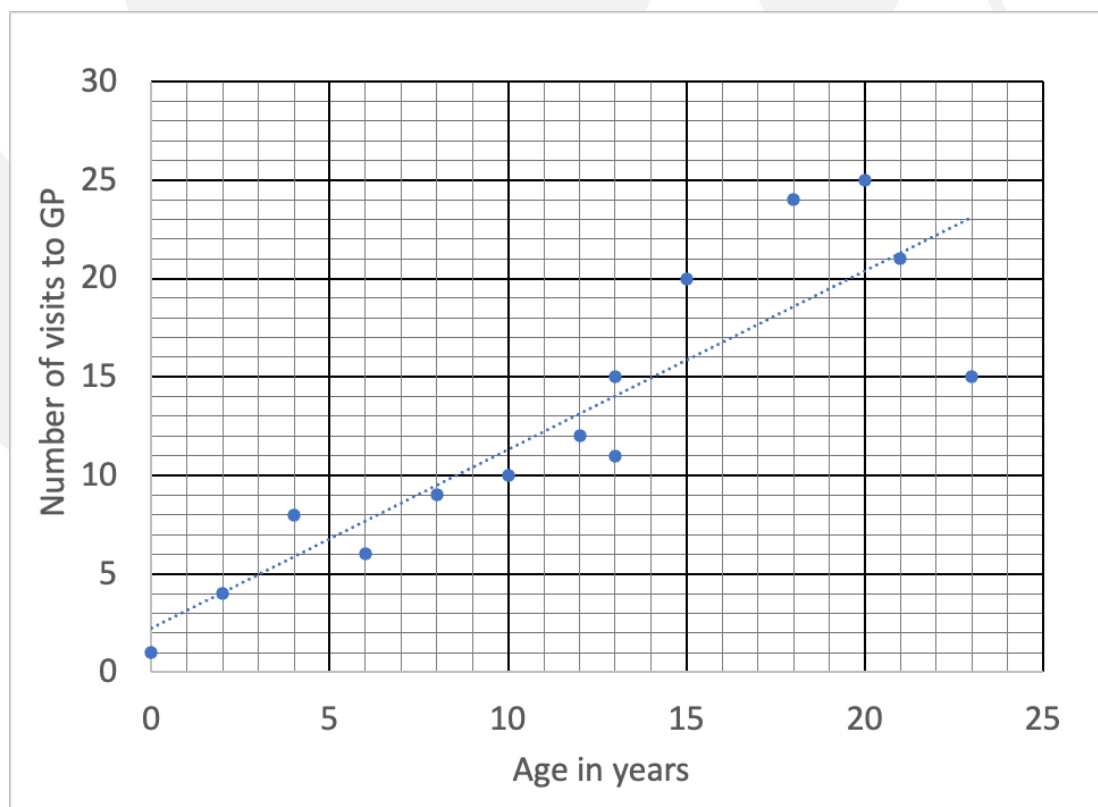
70. How to make estimates using a scatter graph



Scenario Questions:

3. How many more visits to the GP would you expect someone who is 10 to have had compared to someone who is 2?

4. A patient has just visited the GP for the 18th time. Use the line of best fit to estimate their age.



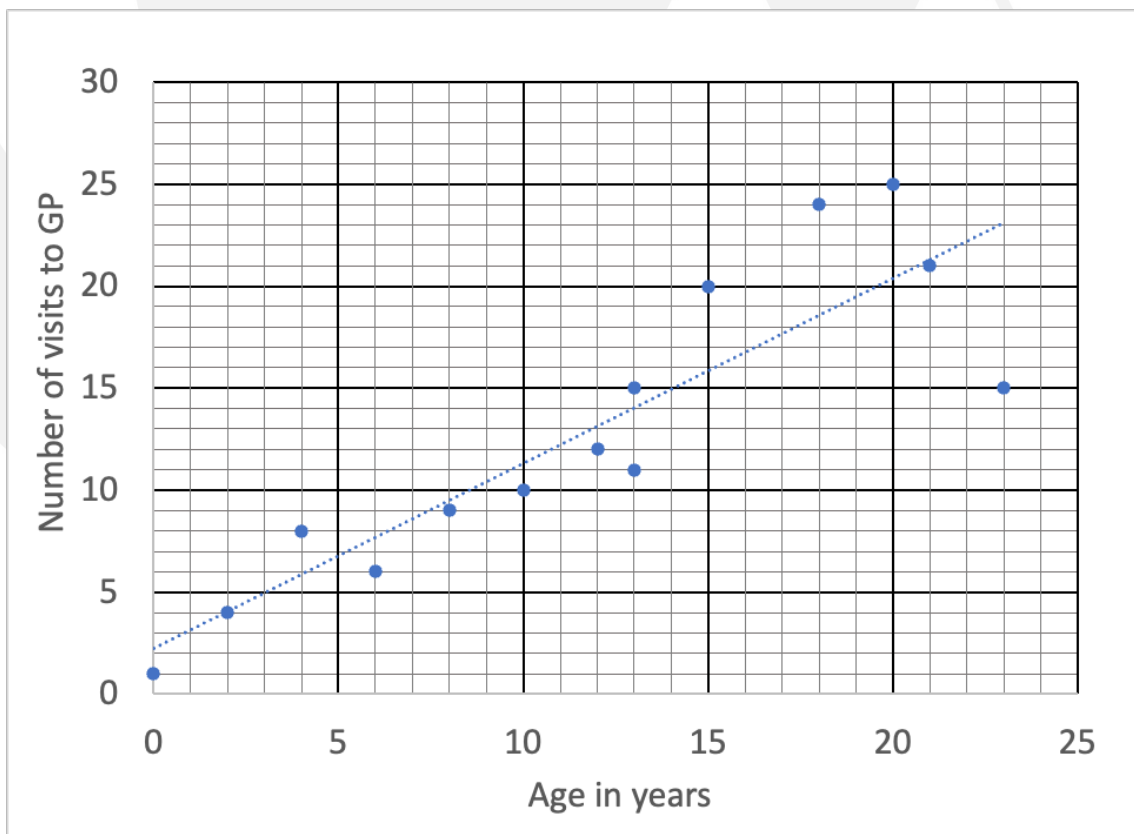
70. How to make estimates using a scatter graph



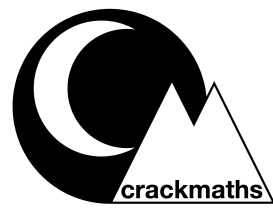
Scenario Questions:

5. Use the line of best fit to make an estimate in meters of how tall you might expect a 17 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 23 year old?



70. How to make estimates using a scatter graph



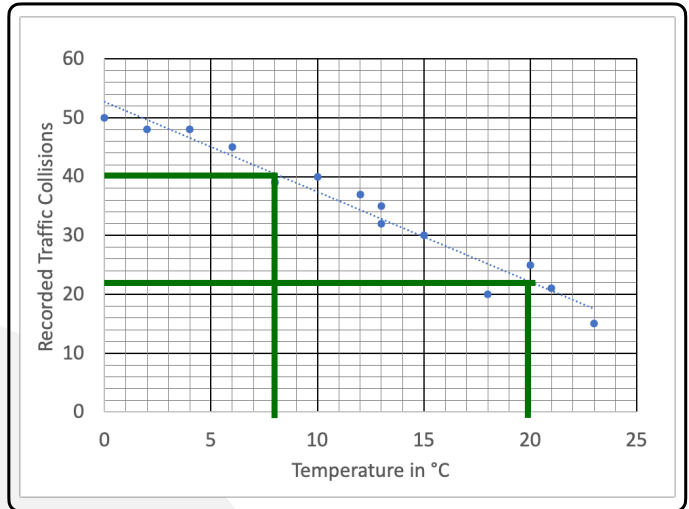
Scenario Questions: **Answers**

1. One day there was 40 traffic collisions, use the scatter graph to estimate the temperature in $^{\circ}\text{C}$.

1. Approximately 8°C

2. What would be a reasonable number of traffic collisions to expect on a day when the weather is 20°C .

2. Approximately 22.

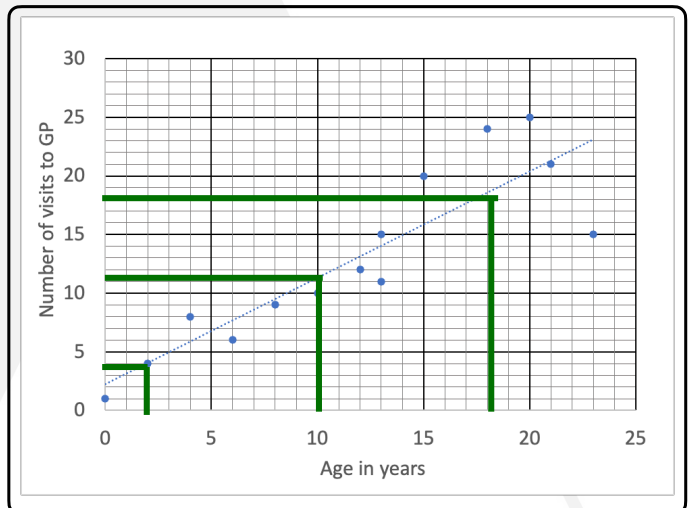


3. How many more visits to the GP would you expect someone who is 10 to have had compared to someone who is 2?

3. Approximately 7 more visits (11 - 4)

4. A patient has just visited the GP for the 18th time. Use the line of best fit to estimate their age.

4. Approximate 18 years old



5. Use the line of best fit to make an estimate in meters of how tall you might expect a 17 year old to be.

5. 1.6 meters

6. Explain why it might not be appropriate to use the line of best fit to estimate the height of a 23 year old?

6. There is no data after someone who is 18. It seems unlikely that height would continue to correlate with age

