**Scatter Graphs GREEN**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pints of lager Mr X has on a Saturday night | 5 | 8 | 9 | 1 | 4 | 4 | 7 | 12 | 6 | 0 |
| Number of books he marks on Sunday morning | 40 | 25 | 22 | 60 | 38 | 34 | 22 | 1 | 31 | 70 |

a) Draw a scatter graph for this data.

b) Describe the type of correlation the graph shows.

c) Draw a line of best fit.

d) Estimate the number of books Mr X would mark after 3 pints.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Number of goals Arsenal concede at the weekend | 1 | 3 | 0 | 1 | 2 | 5 | 0 | 0 | 4 | 5 |
| Number of pupils I give detentions on Monday | 2 | 6 | 0 | 3 | 5 | 10 | 1 | 0 | 7 | 12 |

a) Draw a scatter graph for this data.

b) Describe the type of correlation the graph shows.

c) Draw a line of best fit.

d) Estimate the number of detentions I would give if Arsenal concedes 6 goals.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Temperature in Turkey  (degrees Celsius) | 31 | 24 | 30 | 24 | 35 | 29 | 31 | 30 | 35 | 27 |
| Money in my bank account  (£) | 100 | 90 | 40 | 60 | 120 | 90 | 110 | 100 | 70 | 100 |

a) Draw a scatter graph for this data.

b) Describe the type of correlation the graph shows.

c) Draw a line of best fit.

d) Estimate the temperature in Turkey if I have £80 in my bank account.

**Scatter Graphs AMBER**

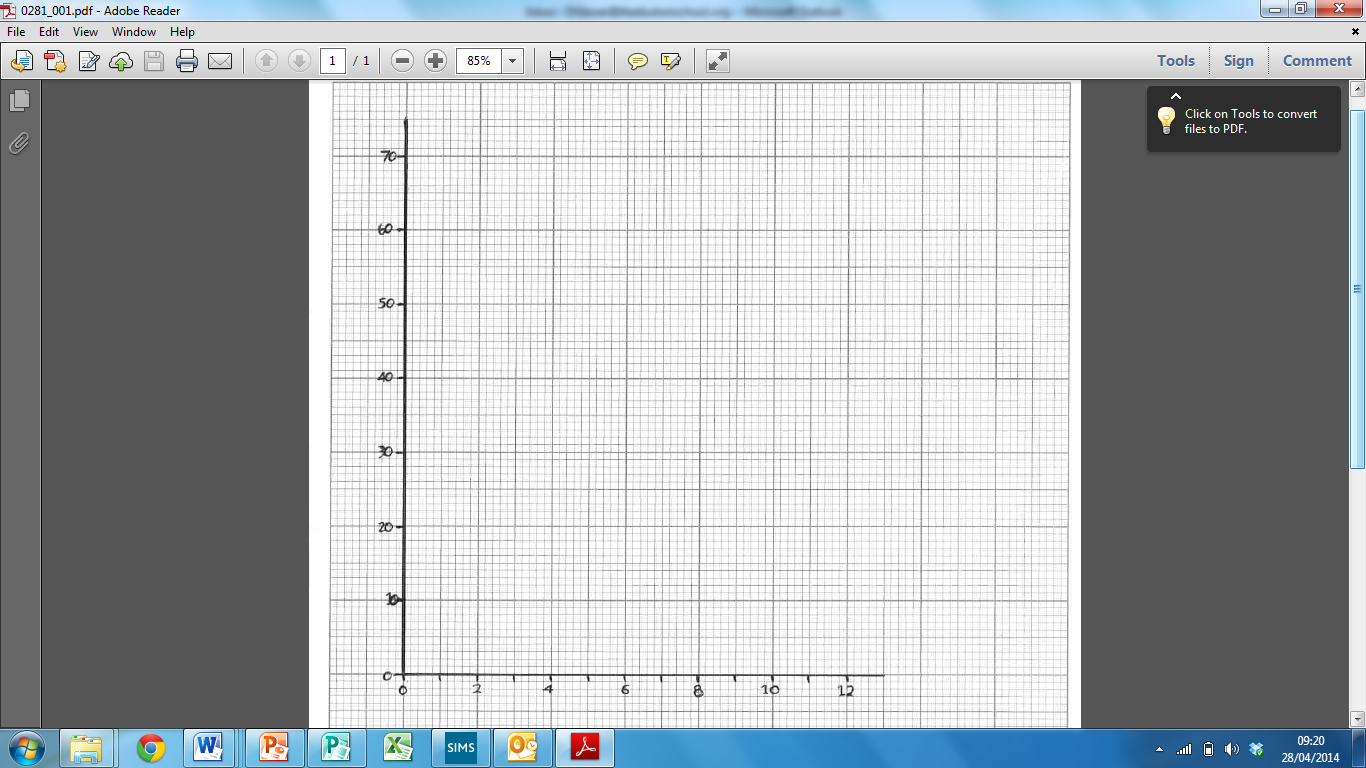
|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pints of lager Mr X has on a Saturday night | 5 | 8 | 9 | 1 | 4 | 4 | 7 | 12 | 6 | 0 |
| Number of books he marks on Sunday morning | 40 | 25 | 22 | 60 | 38 | 34 | 22 | 1 | 31 | 70 |

a) Draw a scatter graph for this data.

b) Describe the type of correlation the graph shows.

c) Draw a line of best fit.

d) Estimate the number of books Mr X would mark after 3 pints.



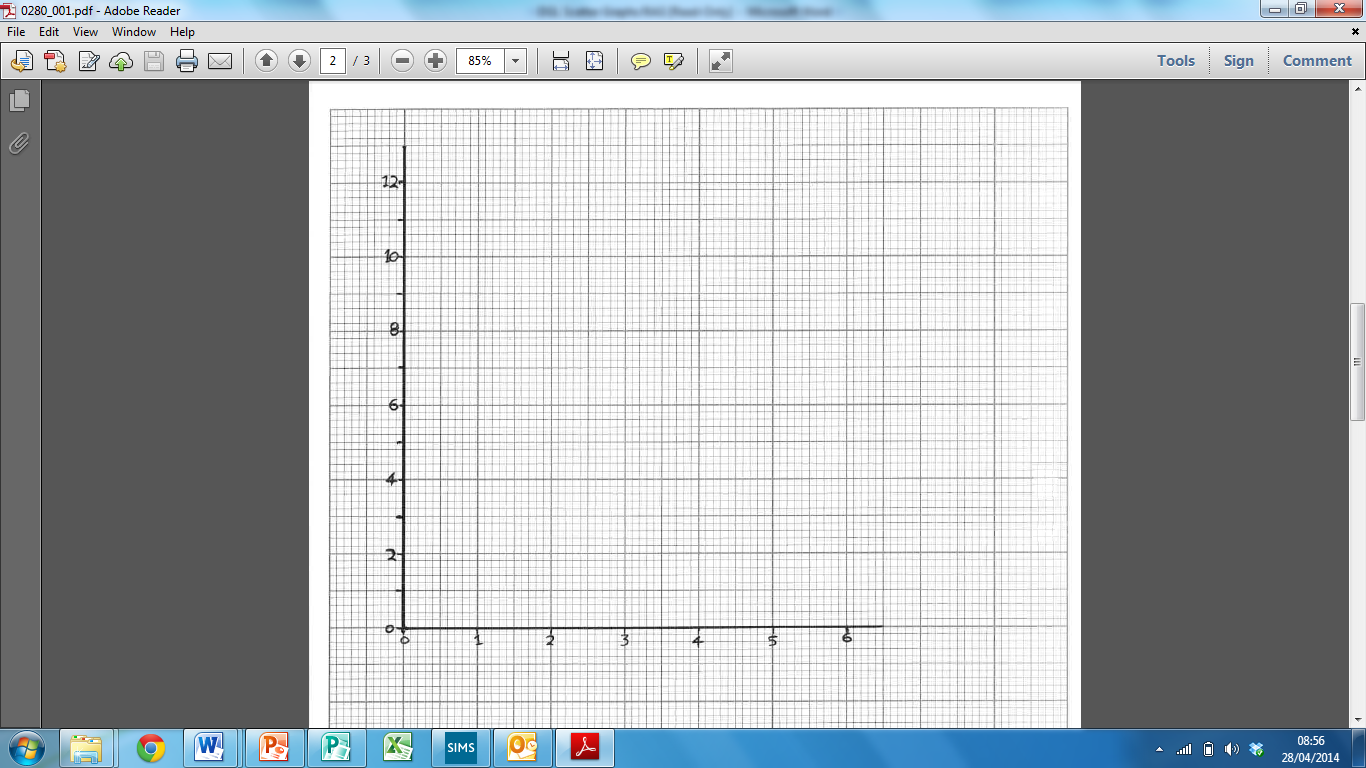
|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Number of goals Arsenal concede at the weekend | 1 | 3 | 0 | 1 | 2 | 5 | 0 | 0 | 4 | 5 |
| Number of pupils I give detentions on Monday | 2 | 6 | 0 | 3 | 5 | 10 | 1 | 0 | 7 | 12 |

a) Draw a scatter graph for this data.

b) Describe the type of correlation the graph shows.

c) Draw a line of best fit.

d) Estimate the number of detentions I would give if Arsenal concedes 6 goals.



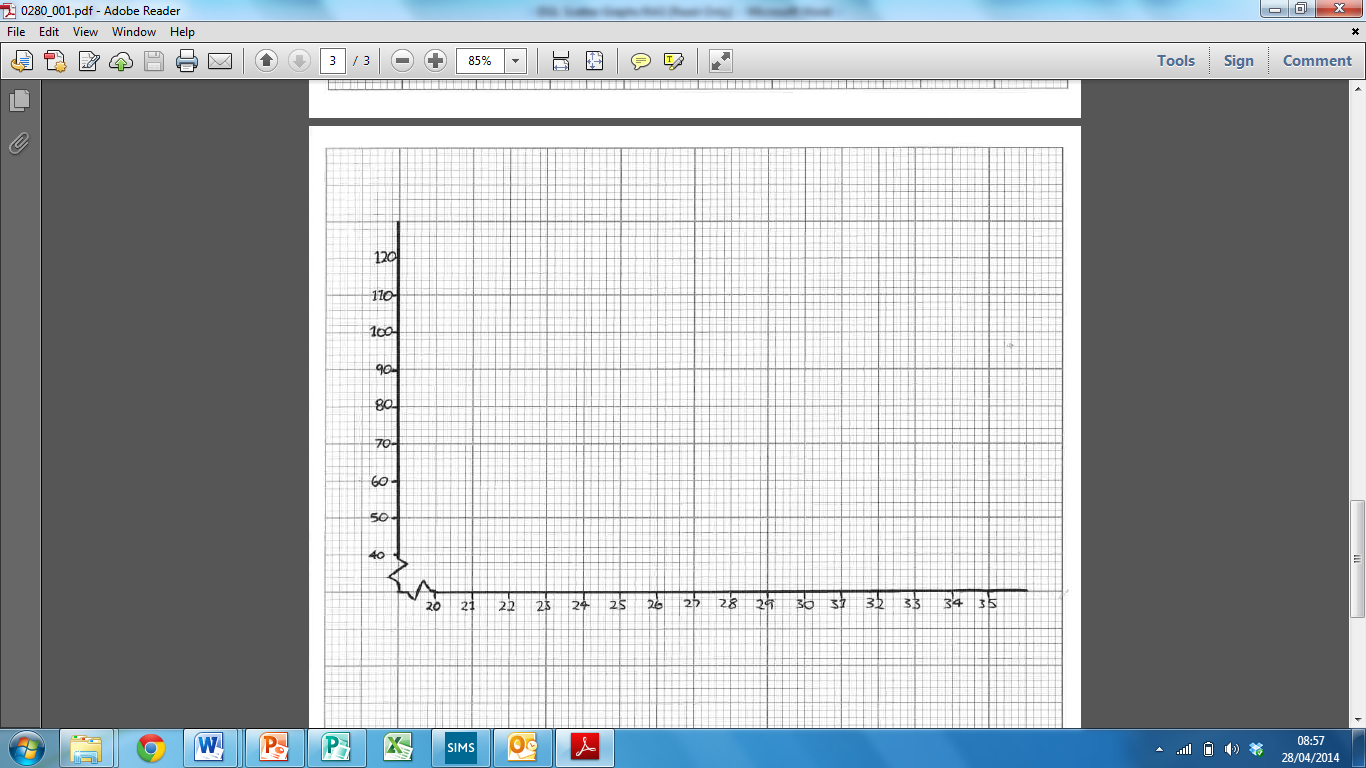
|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Temperature in Turkey  (degrees Celsius) | 31 | 24 | 30 | 24 | 35 | 29 | 31 | 30 | 35 | 27 |
| Money in my bank account  (£) | 100 | 90 | 40 | 60 | 120 | 90 | 110 | 100 | 70 | 100 |

a) Draw a scatter graph for this data.

b) Describe the type of correlation the graph shows.

c) Draw a line of best fit.

d) Estimate the temperature in Turkey if I have £80 in my bank account.



**Scatter Graphs RED**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pints of lager Mr X has on a Saturday night | 5 | 8 | 9 | 1 | 4 | 4 | 7 | 12 | 6 | 0 |
| Number of books he marks on Sunday morning | 40 | 25 | 22 | 60 | 38 | 34 | 22 | 1 | 31 | 70 |

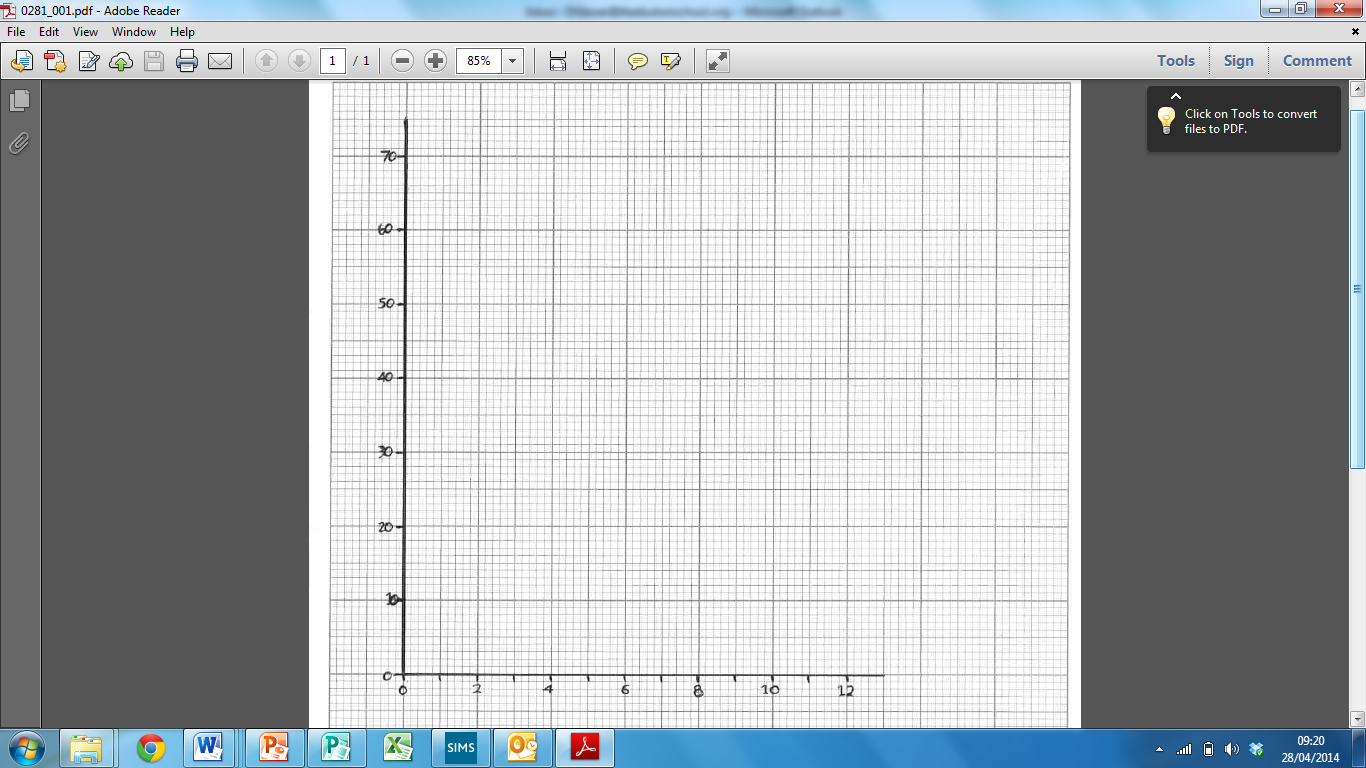
a) Draw a scatter graph for this data.

b) Describe the type of correlation the graph shows.

Identify 3 pints. Draw a line to meet the line of best fit… Then to the other axis. Estimate.

c) Draw a line of best fit.

d) Estimate the number of books Mr X would mark after 3 pints.



Number of books he marks on Sunday morning

Pints of lager Mr X has on a Saturday night

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Number of goals Arsenal concedes at the weekend | 1 | 3 | 0 | 1 | 2 | 5 | 0 | 0 | 4 | 5 |
| Number of pupils I give detentions on Monday | 2 | 6 | 0 | 3 | 5 | 10 | 1 | 0 | 7 | 12 |

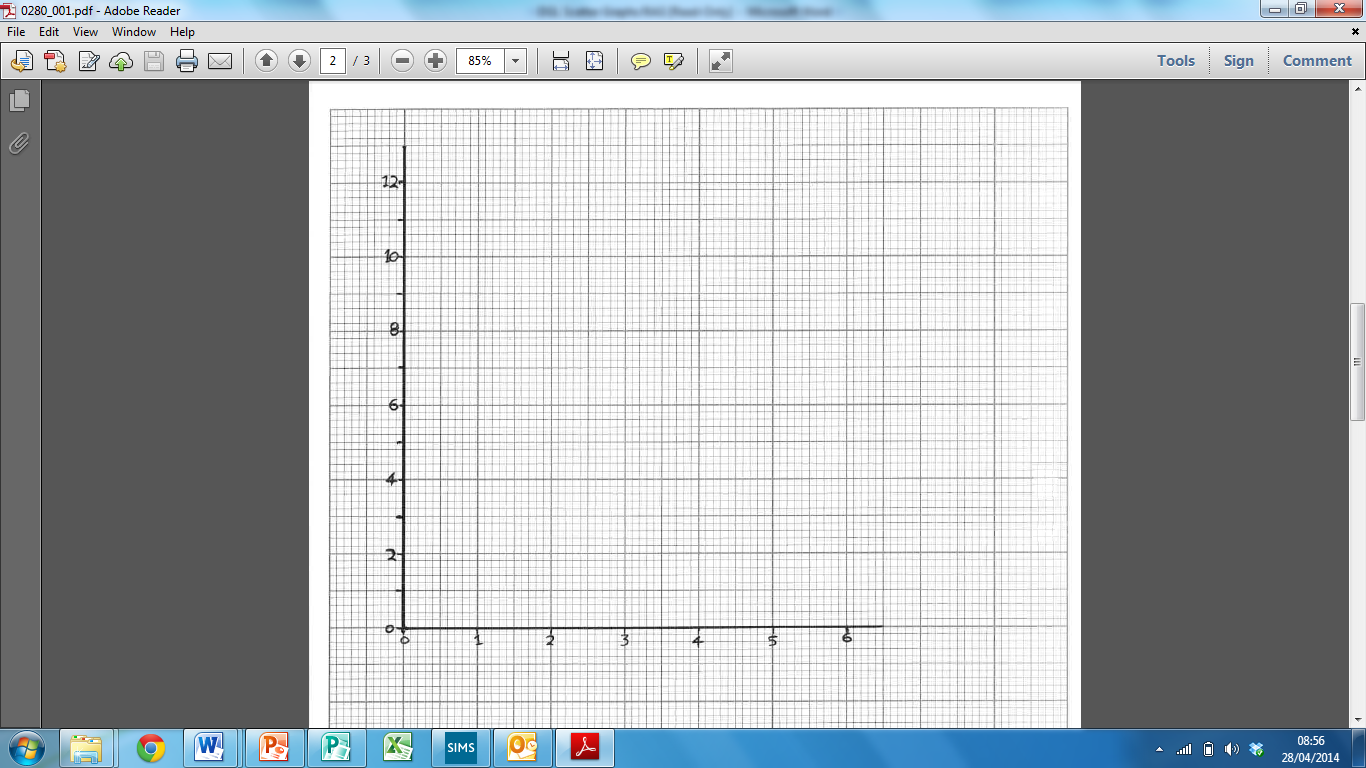
a) Draw a scatter graph for this data.

Identify 6 goals. Draw a line to meet the line of best fit… Then to the other axis. Estimate.

b) Describe the type of correlation the graph shows.

c) Draw a line of best fit.

d) Estimate the number of detentions I would give if Arsenal concedes 6 goals.



Number of pupils I give detentions on Monday

Number of goals Arsenal concedes at the weekend

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Temperature in Turkey  (degrees Celsius) | 31 | 24 | 30 | 24 | 35 | 29 | 31 | 30 | 35 | 27 |
| Money in my bank account  (£) | 100 | 90 | 40 | 60 | 120 | 90 | 110 | 100 | 70 | 100 |

Identify £80. Draw a line to meet the line of best fit… Then to the other axis. Estimate.

a) Draw a scatter graph for this data.

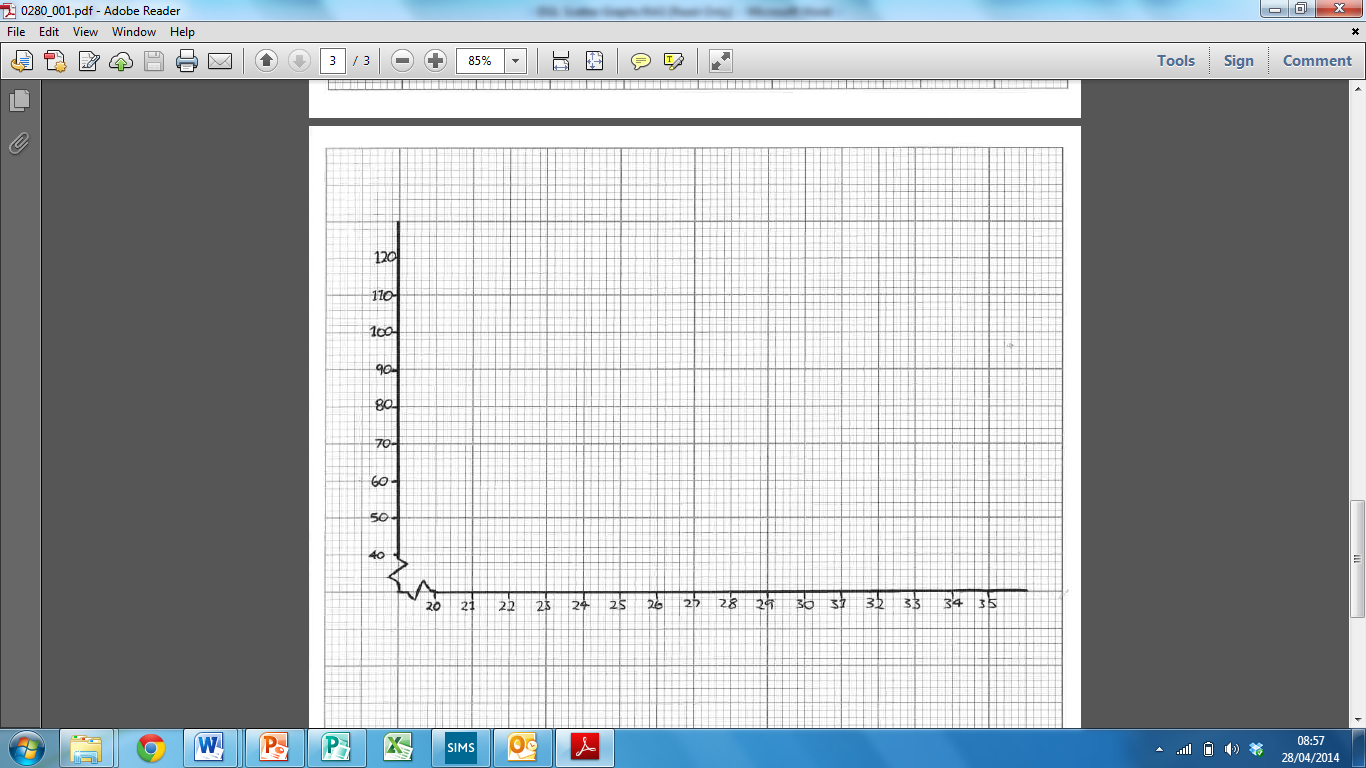
b) Describe the type of correlation the graph shows.

c) Draw a line of best fit.

d) Estimate the temperature in Turkey if I have £80 in my bank account.

Temp in Turkey

(degrees Celsius)



Money in my bank account

(£)