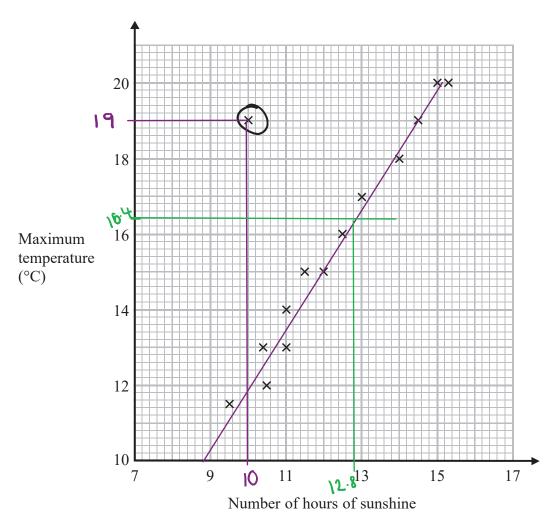
1. The scatter graph shows the maximum temperature and the number of hours of sunshine in fourteen British towns on one day.



One of the points is an outlier. > " nes outside"

(a) Write down the coordinates of this point.

(b) For all the other points write down the type of correlation.



On the same day, in another British town, the maximum temperature was 16.4°C.

(c) Estimate the number of hours of sunshine in this town on this day.

A weatherman says,

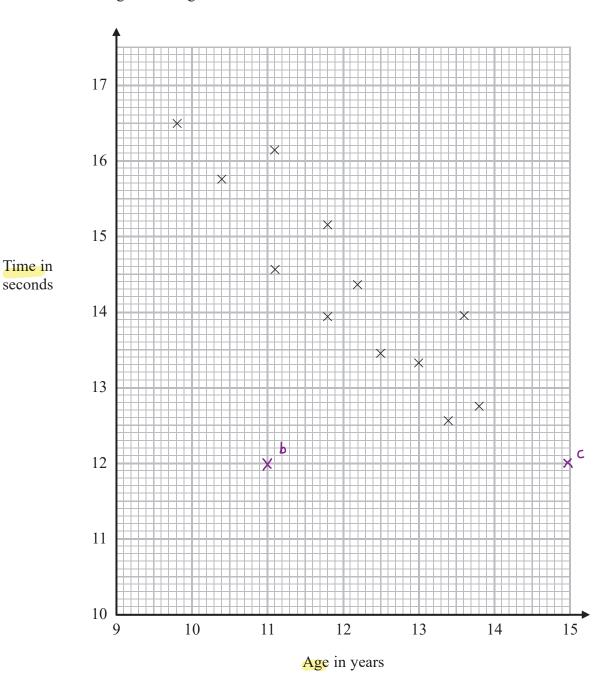
"Temperatures are higher on days when there is more sunshine."

(d) Does the scatter graph support what the weatherman says? Give a reason for your answer.

(Total for Question is 5 marks)

2. The scatter diagram shows information about 12 girls.

It shows the age of each girl and the best time she takes to run 100 metres.



(a) Write down the type of correlation.

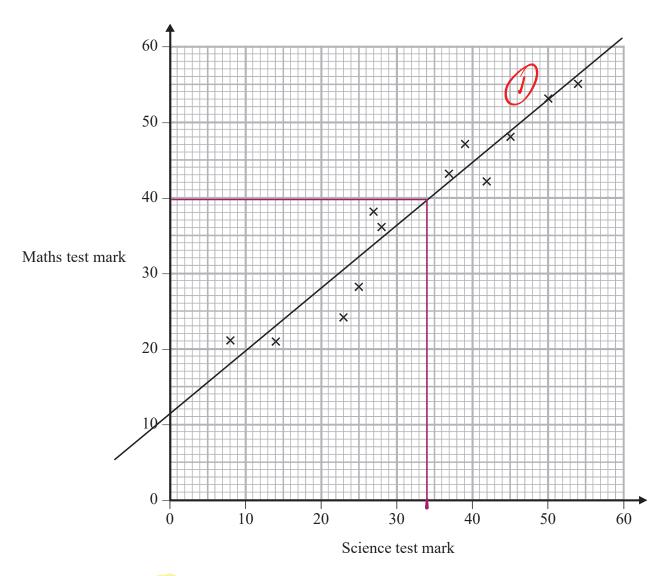
The general trend = as age increases, time decreases

<u>Negative</u>

The line of best fitness a negative gradient.

t representing this information would be an outlier on ain why.  Shot in line with the trend of the of the of the order of the scatter diagram shows I should take less than 12 ment on what Debbie says.  OBLICE WOULD be outside of the roometic of the roo	ther points  ung graph begine con the subsection of the subsection	(1) yond plotted one that the ) metres."
Extrapolation $\rightarrow$ extend of the of second years old.  Extrapolation $\rightarrow$ extend as a points is unreliable as a french will continue.  The scatter diagram shows I should take less than 12 ment on what Debbie says.  OCINT would be outside of the room.	ung graph beg se con't be so seconds to run 100 ange of the s	yond plotted one that the metres."  Scatter did
Extrapolation $\rightarrow$ extendings, Points is unreliable as a grand will continue. The scatter diagram shows I should take less than 12 ment on what Debbie says.	ung graph beg se con't be so seconds to run 100 ange of the s	yond plotted one that the metres."  Scatter did
The scatter diagram shows I should take less than 12 ment on what Debbie says.	seconds to run 100	yond plotted one that the metres."  Scatter did
The scatter diagram shows I should take less than 12 ment on what Debbie says.	seconds to run 100	metres."  SCALLEC dia
ocint would be outside of the ro		(1)
		(1)
		(1)
(Tota	d for Question	
(Tota	l for Question	is 3 marks)

**3.** The scatter graph shows information about the marks a group of students got in a Science test and in a Maths test.

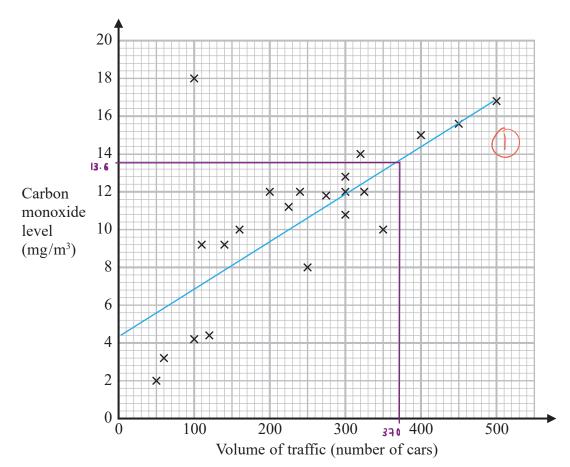


Jamie got a mark of 34 in the Science test.

Using the scatter graph, find an estimate for Jamie's mark in the Maths test.



**4.** The scatter graph shows information about the volume of traffic and the carbon monoxide level at a point on a road each day for 22 days.

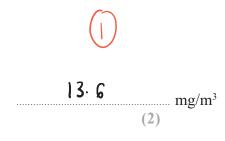


One point is an outlier.

(a) Write down the coordinates of this point.

For another day, 370 cars pass the point on the road.

(b) Estimate the carbon monoxide level for this day.



V		
No, because we can ignore the outlie	ξr.	
You must give a reason for your answer.		
(c) Is Alfie correct?		
(a) In A16°		
,	relation."	
"Because there is an outlier, there is no corr	1 1 1	