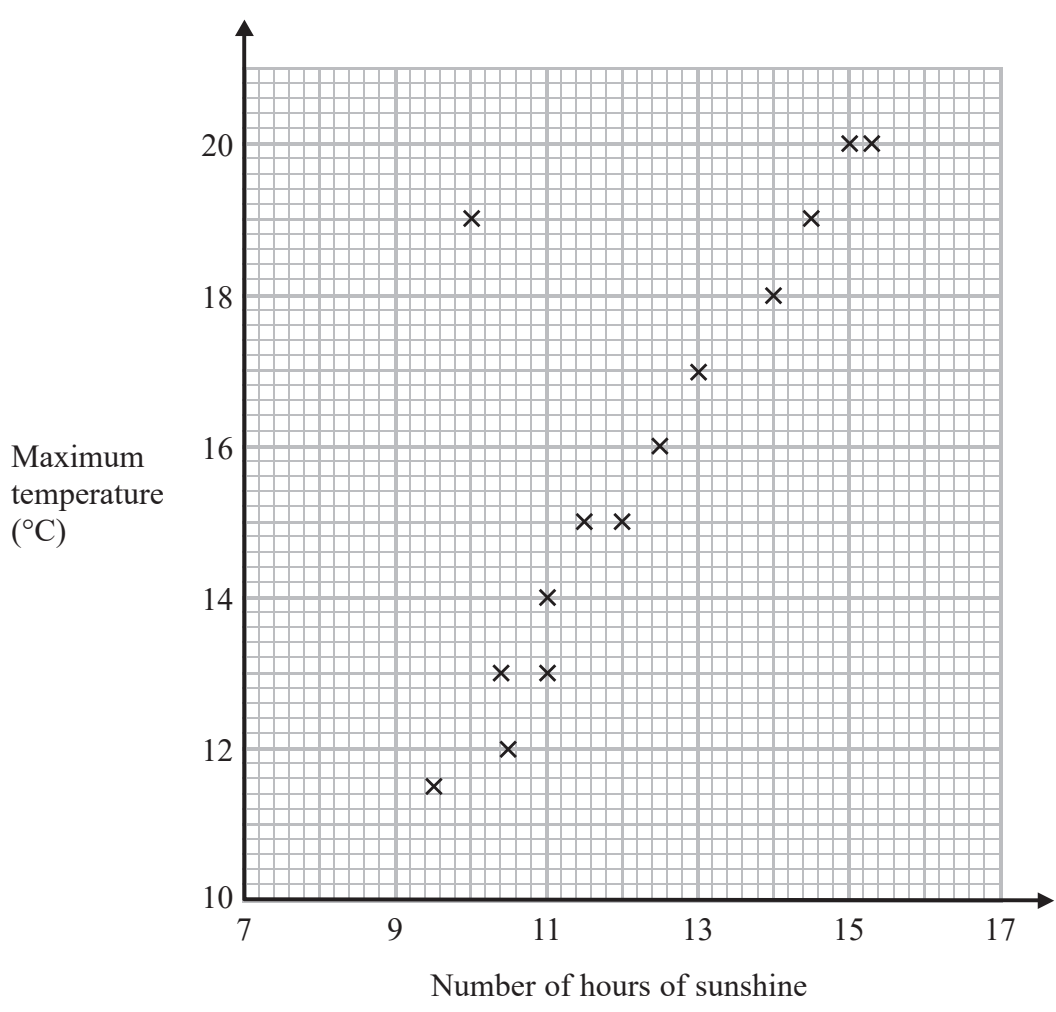


21 The scatter graph shows the maximum temperature and the number of hours of sunshine in fourteen British towns on one day.



One of the points is an outlier.

(a) Write down the coordinates of this point.

(....., .....)  
(1)

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

.....  
(1)



On the same day, in another British town, the maximum temperature was  $16.4^{\circ}\text{C}$ .

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

..... hours  
(2)

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.

.....  
.....  
(1)

**(Total for Question 21 is 5 marks)**

**22** Express 56 as the product of its prime factors.

.....  
(Total for Question 22 is 2 marks)

