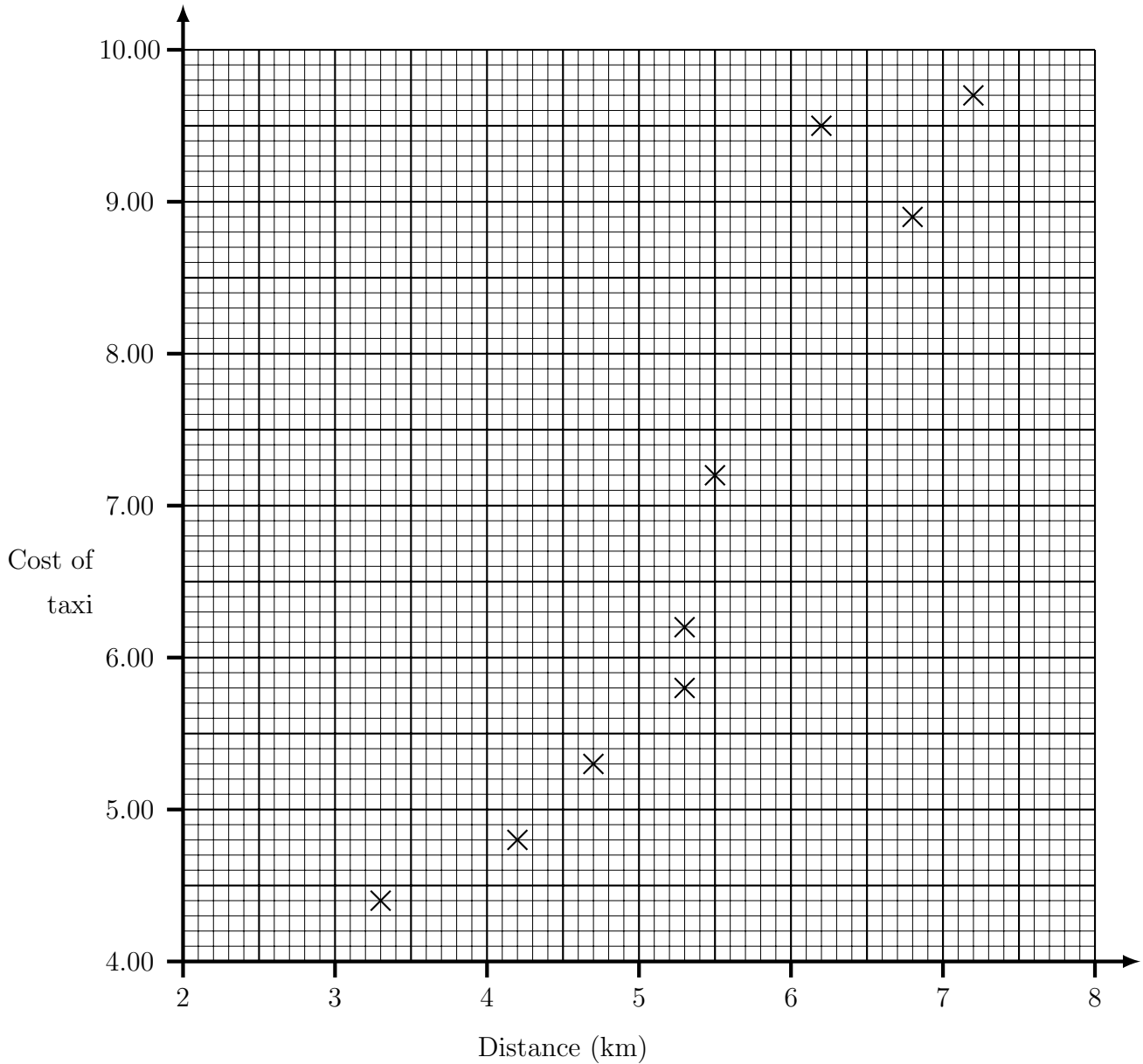


1. The scatter graph shows some information about the cost of 9 taxi journeys.  
For each journey it shows the distance in kilometres and the cost in pounds.



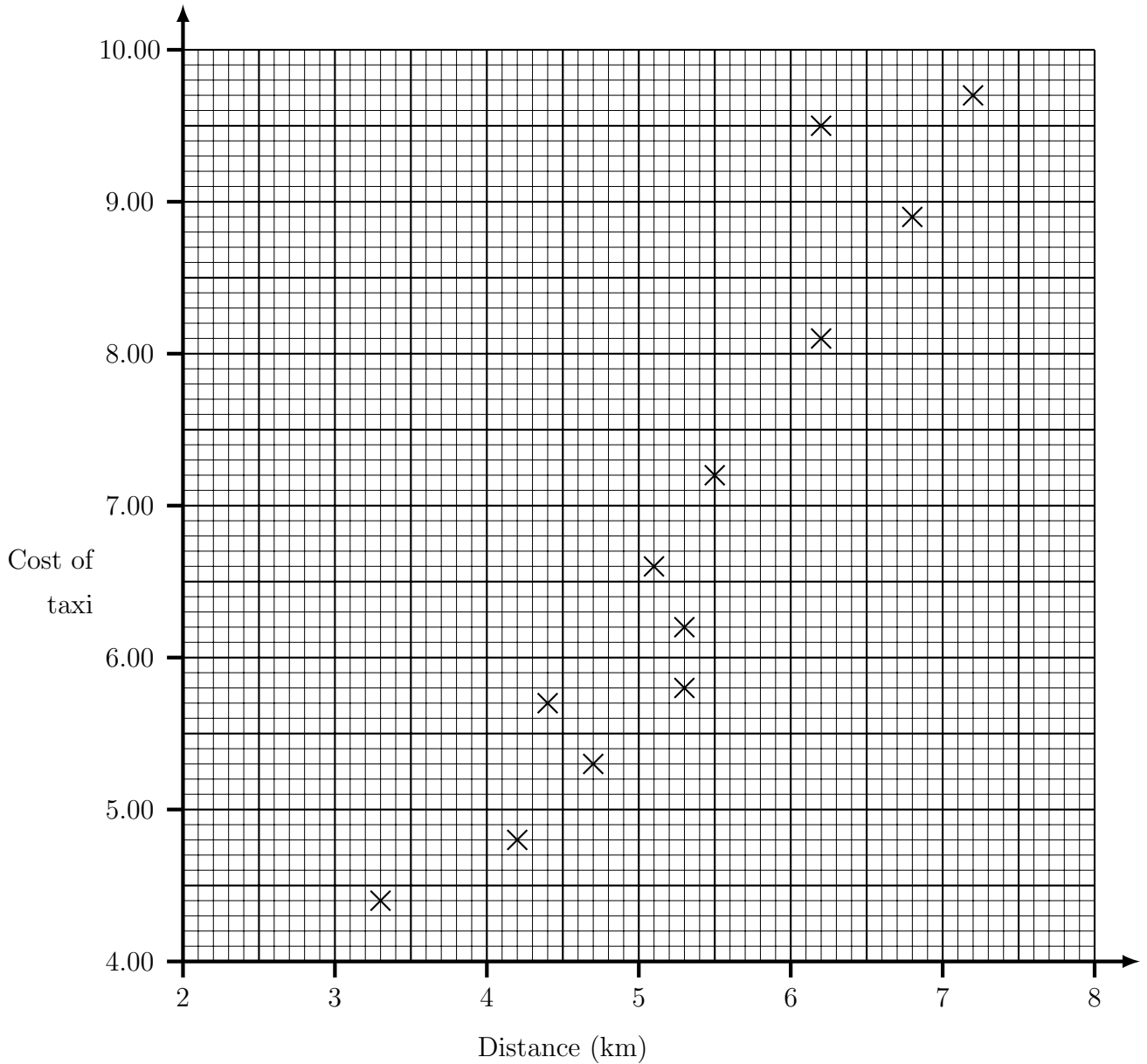
The table gives the distance and cost of 2 more taxi journeys.

Distance (km)	4.5	5.9
Cost of taxi journey (£)	5.80	7.60

- (a) Complete the scatter graph to show the information in the table.  
(b) What kind of correlation does the scatter graph show?

(b) .....

2. The scatter graph shows some information about the cost of 12 taxi journeys.  
 For each journey it shows the distance in kilometres and the cost in pounds.



Minnie wants to take a 4.9 km taxi journey in the same town, with the same taxi driver.  
 Estimate the cost of this taxi journey.

£ .....

3. Write 450 as a product of its prime factors

3. ....

4. Write 105 as a product of its prime factors

4. ....

5. Find the Highest Common Factor (HCF) of 30 and 36

5. ....

6. Find the lowest common multiple (LCM) of 9 and 15.

6. ....

7. Given that  $A = 2^3 \times 3 \times 5$  and  $B = 2^5 \times 3^2$

write down, as a product of powers of its prime factors,

(i) the highest common factor (HCF) of  $A$  and  $B$

7. ....

(ii) the lowest common multiple (LCM) of  $A$  and  $B$ .

7. ....