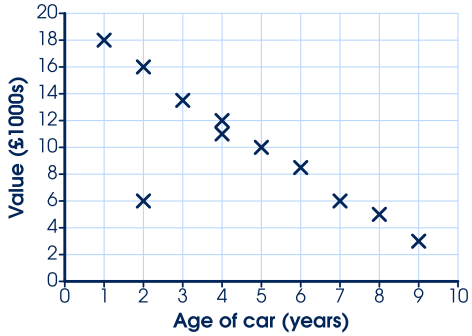
GCSE FOUNDATION · REVISION MAT 2

Scatter graphs

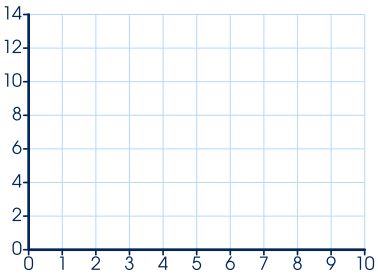
1 The scatter graph shows value against age of car.



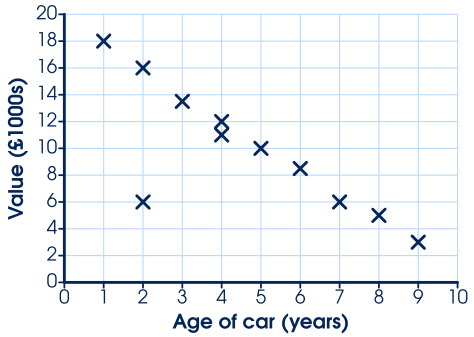
Describe the correlation.

2 Plot these points on the scatter graph.

x	1	3	5	7
y	9	7	6	3

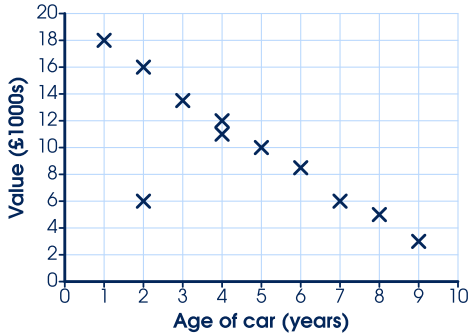


3 The scatter graph shows some data.



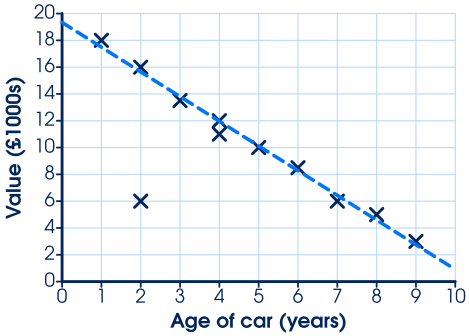
Explain what the graph shows about the relationship between the two variables.

4 The scatter graph shows some data.



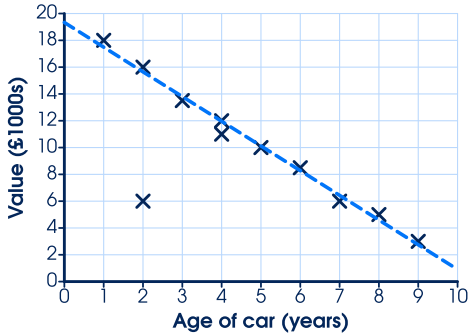
Show that the point (2, 6) is an outlier.

5 A line of best fit has been drawn.



Use the line to estimate value when age of car is 5.5.

6 A line of best fit has been drawn.

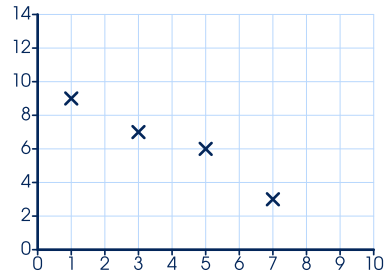


Explain why it would not be sensible to use the line to estimate value when age of car is 14.

1 **Negative correlation**

As age of car increases, value decreases.

2



3 There is **negative correlation**: higher age of car tends to go with lower value.

ANSWERS · REVISION MAT 2

Scatter graphs

4 It does not fit the pattern of the other points.

Outlier ✓

5 Read up from 5.5 to the line and across.

About **9.2** (accept close readings)

6 14 is outside the range of the data.

The pattern may not continue, so the estimate would be **unreliable** (extrapolation).