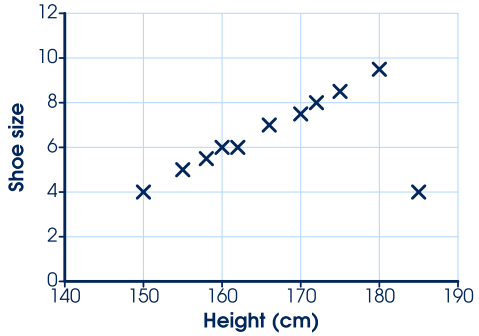
GCSE FOUNDATION · REVISION MAT 4

Scatter graphs

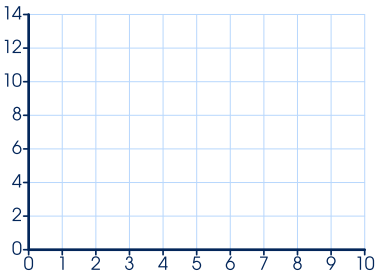
1 The scatter graph shows shoe size against height.



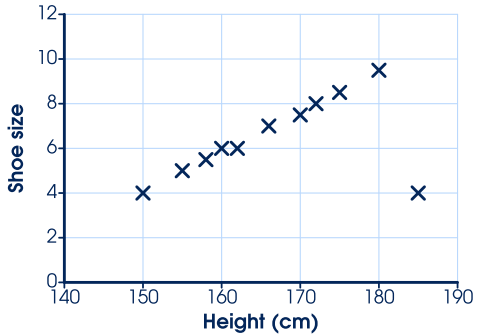
Describe the correlation.

2 Plot these points on the scatter graph.

x	2	3	6	8
y	12	10	7	4

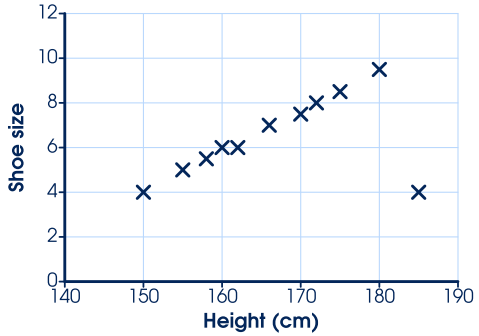


3 The scatter graph shows some data.



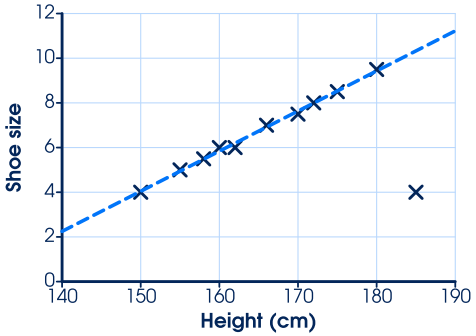
Explain what the graph shows about the relationship between the two variables.

4 The scatter graph shows some data.



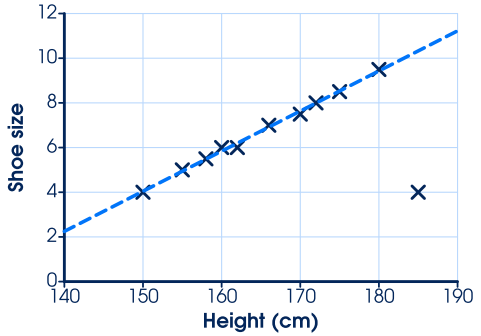
Show that the point (185, 4) is an outlier.

5 A line of best fit has been drawn.



Use the line to estimate shoe size when height is 168.

6 A line of best fit has been drawn.

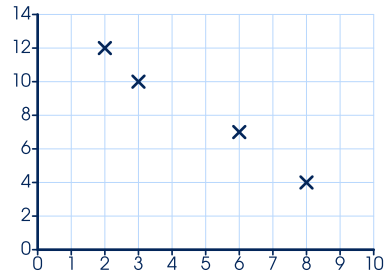


Explain why it would not be sensible to use the line to estimate shoe size when height is 200.

1 **Positive correlation**

As height increases, shoe size increases.

2



3 There is **positive correlation**: higher height tends to go with higher shoe size.

ANSWERS · REVISION MAT 4

Scatter graphs

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

Outlier ✓

5 Read up from 168 to the line and across.

About **7.3** (accept close readings)

6 200 is outside the range of the data.

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