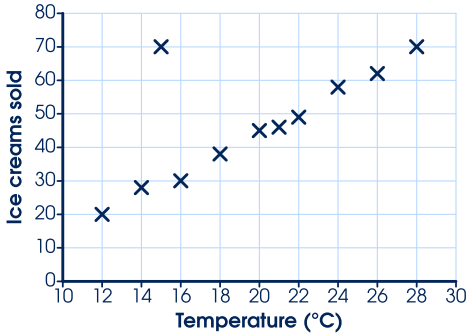
GCSE FOUNDATION · REVISION MAT 3

Scatter graphs

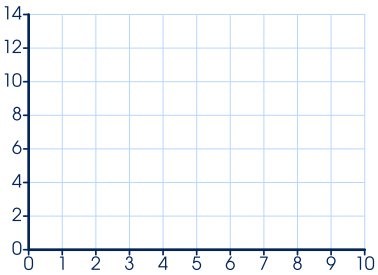
1 The scatter graph shows ice creams sold against temperature.



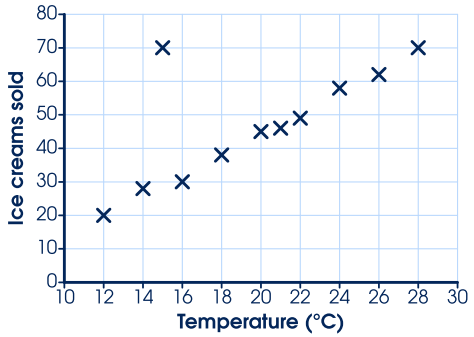
Describe the correlation.

2 Plot these points on the scatter graph.

x	1	2	4	5
y	2	5	7	9

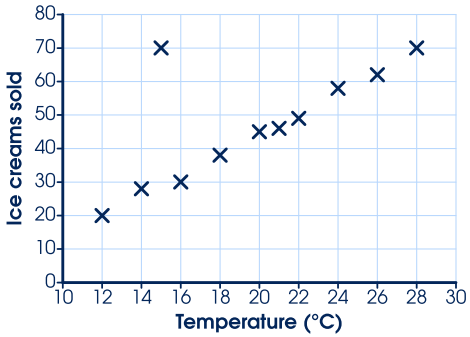


3 The scatter graph shows some data.



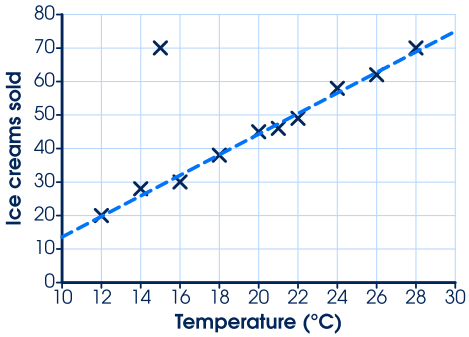
Explain what the graph shows about the relationship between the two variables.

4 The scatter graph shows some data.



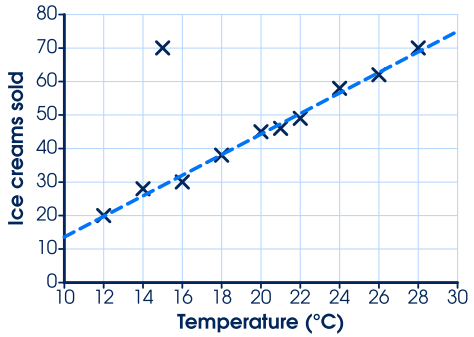
Show that the point (15, 70) is an outlier.

5 A line of best fit has been drawn.



Use the line to estimate ice creams sold when temperature is 23.

6 A line of best fit has been drawn.



Explain why it would not be sensible to use the line to estimate ice creams sold when temperature is 40.

Mr&Mrs MATHS

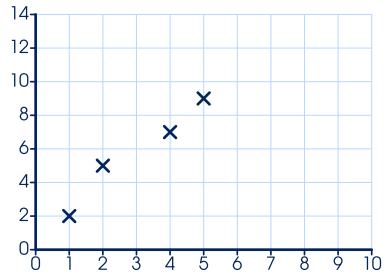
ANSWERS · REVISION MAT 3

Scatter graphs

1 **Positive correlation**

As temperature increases, ice creams sold increases.

2



3 There is **positive correlation**: higher temperature tends to go with higher ice creams sold.

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

Outlier ✓

5 Read up from 23 to the line and across.

About **53.5** (accept close readings)

6 40 is outside the range of the data.

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

Mr&Mrs MATHS