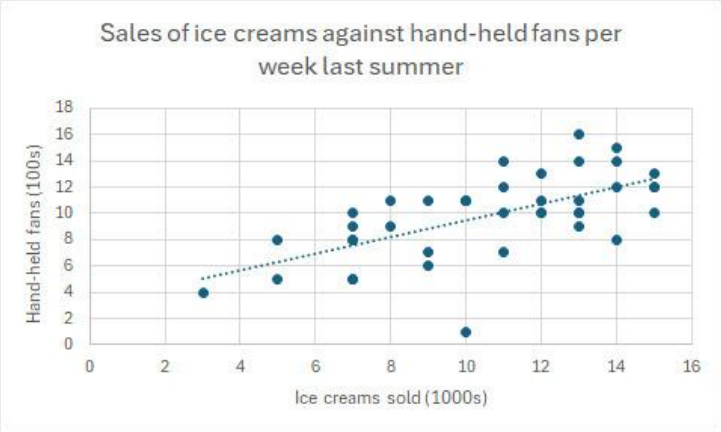
Ice-cream sales and hand-held fan sales were recorded across 40 days last summer.
These figures have been plotted against each other.



1. What is the name of this graph?
2. What type of correlation is represented?
3. Describe the correlation .
4. One item of data is an outlier
   What is an outlier? Which data item is it?
5. What is the name of the line that has been drawn across the graph? What is it used for?
6. On another day 9,000 ice creams were sold.
   How many hand-held fans are likely to have been sold?
7. On another day it is thought 600 hand-held fans were sold.
   How many ice creams might have been sold on this day?

Answers:

1. Scatter graph
2. Positive correlation
3. As the number of ice creams sold increases, so does the number of hand-held fans.
4. An outlier is a data item that does not fit into the pattern of the other data, it lies outside what might have been expected.
   (10, 1)
5. A line of best fit. It is used to demonstrate the connection between two sets of data. It can be used to predict one data value if you were given the other.
6. 900 hand-held fans.
7. 5,000 ice creams.