

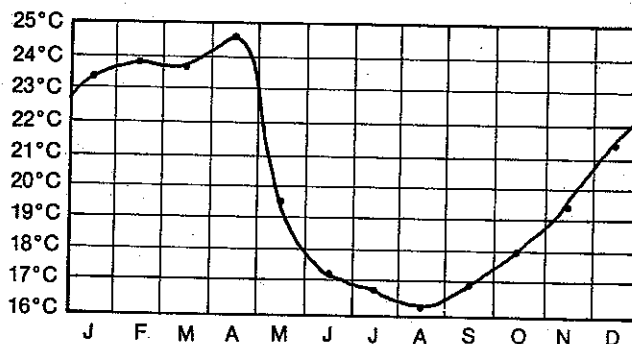
Part C STATISTICS AND GRAPHS

Geolab 29 THE LINE GRAPH

A table of statistics may be difficult to understand. Average monthly temperatures in Lima, Peru are:

January	23.3°C
February	23.9°C
March	23.6°C
April	24.7°C
May	19.4°C
June	17.2°C
July	16.7°C
August	16.1°C
September	16.9°C
October	18.0°C
November	19.4°C
December	21.1°C

The pattern of temperatures in Lima can be more easily seen on a graph.



On the graph above the temperatures are shown down the left side. The months are labelled along the bottom line. The average temperature of each month is shown with a black dot. The dots are placed in the middle of the month using the scale on the graph. To see the temperature pattern for a whole year the dots are joined together. A solid line is used to join the dots.

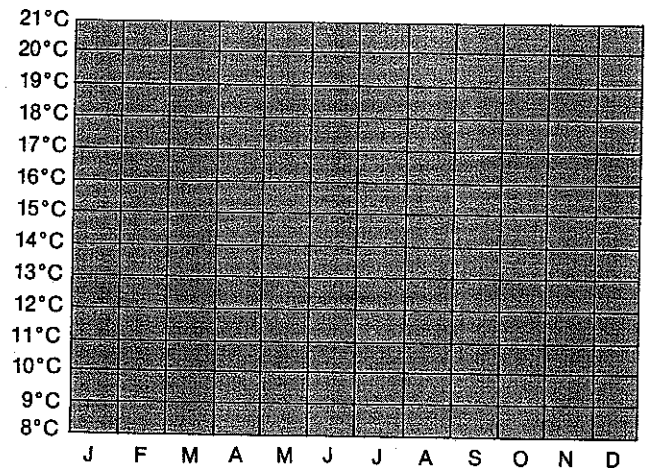
This type of graph is called a line graph.

Geolab 29 — Exercise

- What is the highest average monthly temperature in Lima?
 - Which month is this?
- What is the lowest average monthly temperature?
 - Which month is this?
- Temperature range is the difference in

degrees between the hottest and coldest months. What is the temperature range for Lima?

- Why is the pattern of temperatures for the whole year more easily seen on the line graph than the table of statistics?
- What is the main difference between the temperature pattern where you live and the temperature pattern in Lima?
- Copy the graph outline below.



7. On your outline graph plot the dots to show the average monthly temperatures in Santiago, Chile.

January	20.5°C
February	20.0°C
March	18.0°C
April	15.5°C
May	11.5°C
June	8.5°C
July	9.0°C
August	10.5°C
September	12.0°C
October	14.5°C
November	17.0°C
December	19.5°C

- To finish your graph join the black dots with a red line.
- What is the temperature range?
- Label on your line graph:
 - Summer
 - Winter
 - Spring
 - Fall
- What differences can you see in the temperature patterns for Lima and Santiago?