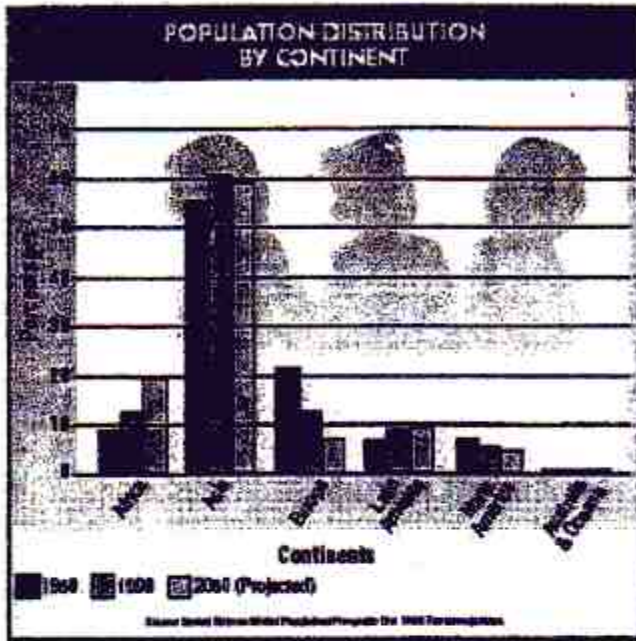


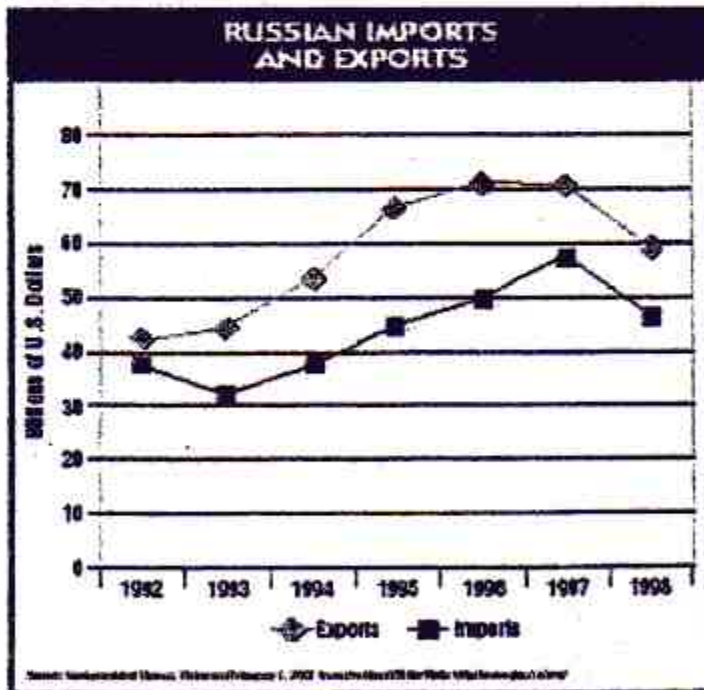
Interpreting Data

Bar Graphs



Most *Bar Graphs* use vertical bars to compare and contrast data. By using a bar graph, quick comparisons are easier to make. Bar graphs usually have a vertical axis (*y*-axis) that represents amounts/numbers and a horizontal (*x*-axis) that represents the types (kinds) of thing being measured.

Line Graphs



Line Graphs represent numerical data or quantities plotted as a point on a grid above the year. A line connects all points. Line graphs are useful tools for showing change over time, which is called a trend. On a multi-line graph more than one set of information can be shown using different colors or kinds of lines. A multi-line graph needs a key.

Interpreting Data

Tables/Charts

| ETHNIC GROUPS IN SELECTED COUNTRIES | | | | | | | | |
|-------------------------------------|---------|---------------|-----------|-------|---------------------|-----------|-----------|---------------------|
| ETHNIC GROUP | ALGERIA | EGYPT & SYRIA | INDONESIA | INDIA | INDONESIA (CELEBES) | INDONESIA | INDONESIA | INDONESIA (SUMATRA) |
| Algerian | 90% | | | 0.2% | 22.7% | | | 18.0% |
| Arabic | | 44% | | | | | 1% | |
| Balinese | | | 88% | | | | | |
| Chinese | | 1% | | 28.1% | | | 2% | |
| Greek | 1% | | | | | | | |
| Indonesian | | | | 0.2% | | 7.1% | | 1.1% |
| Indonesian | | | | | 88.1% | | | |
| Indonesian | | | | 0.2% | | | | 1.1% |
| Indonesian | | | | 0.2% | | | 1% | |
| Indonesian | | | | | | 18.0% | | |
| Indonesian | | 21% | | 18.0% | 0.1% | | 2% | 12.0% |
| Indonesian | | | | 0.2% | | | 2% | |
| Turk | | | 1% | | 4.0% | | | |
| Other | 1% | 2% | 1% | 0.2% | 4.0% | 2.6% | 2% | 12.0% |

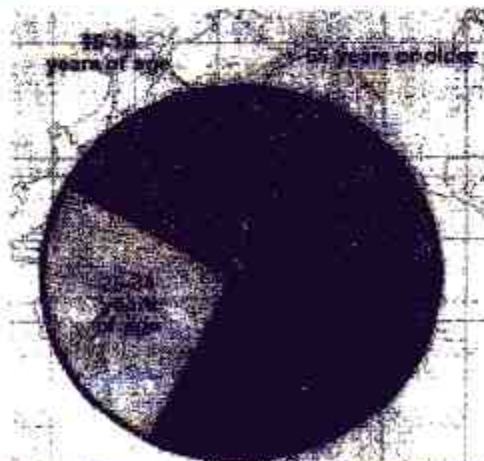
Tables/Charts present related facts and/or data in an organized way to make analysis and comparison easier. Tables/charts arrange data in rows and columns. Numerical information from tables/charts can often be turned into graph form.

Pictograph



Pictographs use small pictures or symbols to represent an amount. Pictographs always have a key that tells you what the pictures represent. Pictographs are interpreted like a bar graph.

Circle Graphs



Circle graphs are used to show how 100% of something is divided and how the parts/pieces of the whole "pie" relate to one another. Each piece represents one part (or percentage) of the data about a given topic.