

Looking at the World

Country	Region	% of children who die before reaching age 5	Annual population growth	Years an average person lives	% of adults who can read and write
Benin	Sub-Sahara Africa	14.2%	3.1%	47	23%
Yemen	Middle East	11.2%	3.4%	50	38%
Sweden	Western Europe	.5%	.3%	78	99%
Singapore	Southeast Asia	.6%	1.2%	75	91%

A) What are the *facts* presented on this chart?

1- Which two countries have higher percentages of children who die before reaching age 5?

2- Which two countries have higher annual population growth rates?

3- In which two countries can people expect to live a longer life?

4- In which two countries can a majority of people read and write?

B) What *patterns* can you find for these facts?

There are four categories: Death of Children, Population Growth, Living Longer, and Reading and Writing. Based on this chart, which categories seem to go together in the world today?

Group A - _____

Group B- _____

C) In your opinion, what *conclusion* best explains these *patterns*?

- a) Population growth is very low in some countries because many children die while they are still young.
- b) Countries that have a high population growth rate are very prosperous so people go to school longer and live longer.
- c) In prosperous countries, the population grows slowly, more children live into adulthood, people go to school longer, and people live longer.
- d) There is no connection between the facts from this chart. Any pattern that appears is an accident.

D) What questions do you have about these *facts*, *patterns*, and *conclusions*?

Looking at the World

Key concepts

Population: The total number of people living in a country in millions (261 equals 261,000,000 people).

Area: The size of a country in thousands of square miles (3,536 equals 3,536,341 square miles).

Population Density: The average number of people living on one square mile of land.

Illiteracy: The percentage of the adult population (over age 15) of a country that cannot read and write.

Female illiteracy: The percentage of the adult female population (over age 15) of a country that cannot read and write.

Infant mortality: For every 1,000 children under age five in a country, the number that die during a year. 10/1000 equals 1%.

Birth rate: For every 1,000 people in a country, the number of children who are born. If a country has 261,000,000 people and a birth rate of 16 per 1,000, the number of births during a year equals $261,000 \times 16$ or 4,176,000.

Life Expectancy: The number of years a new born baby in this country can expect to live.

Wealth per person: The wealth of a nation divided by the total population.

A) What can we learn about a country from this information?

a) Population Density -

b) Illiteracy -

c) Female Illiteracy -

d) Infant Mortality -

e) Birth rate -

f) Life Expectancy -

g) Wealth per person -

Examine the Chart - Looking at the World

- 1- What is the total population of Kenya? _____
- 2- Is the population greater in Indonesia or Brazil? _____
- 3- Which country on this chart is the most densely populated? _____
- 4- What percent of the population cannot read or write in China? _____
- 5- What percent of adult women cannot read or write in Pakistan? _____
- 6- Which country on this chart has the highest infant mortality rate? _____
- 7- Which country on this chart has the lowest birth rate? _____
- 8- In which country can a new born baby expect to live the longest time? _____
- 9- In which country can a new born baby expect to live the shortest time? _____
- 10 - List the five countries on this chart with the highest average wealth? _____

C) Cooperative Learning Teams /

Select 3 countries from different regions.

Make a list of what you learn about each country from the chart.

Looking at the World

Creating bar graphs that allow easier comparisons of statistics about countries.

A) Single variable bar graph

a) Use the chart to find the average wealth for each country.

Country	Average Wealth
Kenya	_____
China	_____
Japan	_____
Algeria	_____

b) Draw a bar graph that compares the average wealth in these countries.

B) Double variable bar graph.

a) Use the chart to find the average wealth and life expectancy for each country.

Country	Average Wealth	Life Expectancy
Kenya	_____	_____
China	_____	_____
Japan	_____	_____
Algeria	_____	_____

b) Draw a bar graph that shows the average wealth and life expectancies in these countries.

C) Double variable bar graph.

a) Use the chart to find the average wealth and infant mortality for each country.

Country	Average Wealth	Infant Mortality
Kenya	_____	_____
China	_____	_____
Japan	_____	_____
Algeria	_____	_____

b) Draw a bar graph that shows the average wealth and infant mortality in these countries.