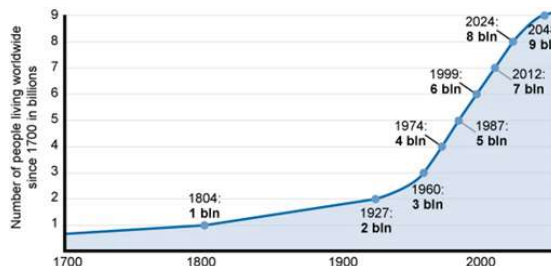


How has the population changed?

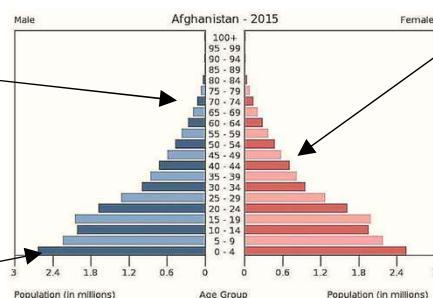
In 1800 the global population was only at 900 million people. After this the population began to consistently and steadily increase. By 1930 the population had reached 2 billion people. However in the 1950s the population began to rise exponentially. By the year 2000 it had reached 6 billion people. This exponential increase has continued but it is predicted to stagnate and potentially decrease in the future.



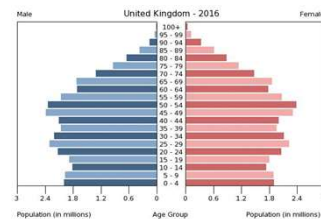
Population pyramids

The top shows life expectancy. It is low in Afghanistan

The base of the pyramid shows birth rates. It is high in Afghanistan

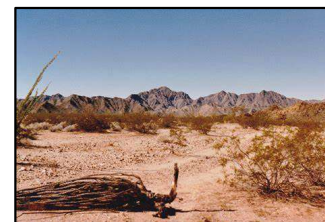
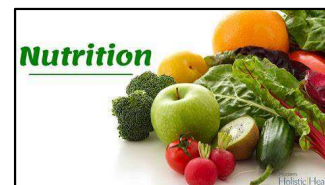
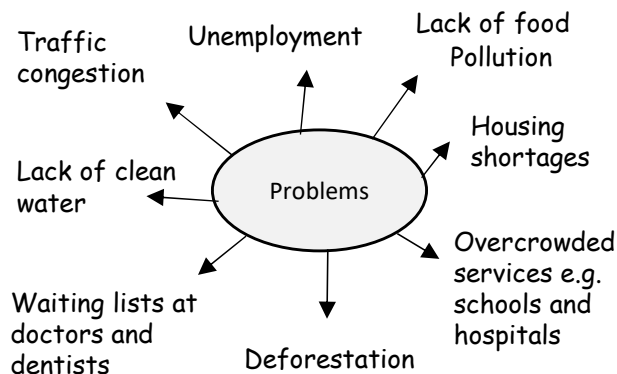


The decreasing bars show death rate. It is high in Afghanistan.



This is a pyramid for the UK. Do you understand why it looks different?

Overpopulation: Too many people for the resources of an area.



Birth rate	The number of babies born per 1000 of population per year.
Death rate	The number of people that die per 1000 of population per year.
Life expectancy	The average age a person can expect to live in a named place.
Infant mortality	The number of babies that die before their 1 st birthday per 1000 births.

LIDCs have high birth rates because...

- Many people in LIDC's struggle to get contraception. This can be because they cannot afford it, it is unavailable in their country, or education has not taught them the importance of it.
- In LIDCs that rely on agriculture (farming) the children can be workers that support the family. These are known as economic assets.
- LIDCs that are particularly religious may see abortion and contraception as taboos against their religion, therefore increasing the likelihood of pregnancy.
- The infant mortality rate can be high. This means that children are likely to die, therefore some may have more babies to overcome this.
- Some LIDCs do not have equal gender roles. In these places, women are less likely to pursue careers and are more likely to have children.

Year 8: Term 1 Population Revision Sheet

Life expectancy has increased because of major scientific breakthroughs:

Medicine: In the Early 19th Century, vaccinations for infectious disease such as Polio and Tuberculosis were found. These diseases had previously killed millions.

These cures coincided with the start of rapid population growth. (Population doubled from 1-2 billion between 1804 and 1927)

Nutrition: It took 123 years for the worlds population to grow from 1-2 billion. In the next 60 years the population increased by 5 billion.

These 60 years saw a major increase in our understanding of Nutrition. We started to understand about fats, sugar, vitamins etc.

Water: Before 1990 less than half of the worlds population had access to safe drinking water. This figure now stands at 75%.

The access to clean drinking water has coincided with a rapid population increase from 5 billion in 1987 to 7 billion in 2011.

Agriculture: Rapid population growth in Asia 1950-present has been supported by improvements in agriculture. Improvements in the use of pesticides (chemicals to kill pests), machinery and irrigation (sprinklers) have seen China's food production rise 300%. During this period China's population has risen from 0.6 to 1.4 billion.

Does Mexico-USA migration have a positive effect?



A- A Mexican Migrant working in the USA

B- An unemployed young person in California

C- A Californian Restaurant owner



D- A family member of a Migrant

E- A business owner in Mexico

Positives for Mexico

- Legal and illegal immigrants together send some \$6 billion a year back to Mexico.
- Improved 'quality of life' (health, housing, education)

Negatives for Mexico

- Loss of younger educated workers (who could help to develop the Mexican economy)
- Very old and very young left behind and farming is difficult
- Certain villages such as Santa Ines have lost two thirds of their inhabitants and young women find it hard to find 'life partners'.
- The pull factors of a better quality of life is so strong that Mexican's are risking their lives to cross the border

Positives for USA

- Mexican migrants benefit the economy by working for low wages.
- Mexican culture has also enriched the USA border states


Negatives for the USA

- Many Americans believe that Mexican immigrants are a drain on the economy.
- They believe that migrant workers keep wages low which affects Americans.

Map Skills

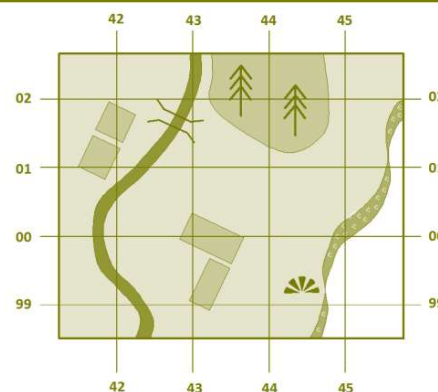
Four Figure Grid References

Four figure grid references tell the reader the rough location of a feature.

In order to find the location of the bridge  the reader should first find the easting. The easting used in the grid reference is always that found on the left edge of the grid square in question. Therefore in this case the easting is **42**.

Then the reader needs to find the northing. The northing used in the grid reference is always that found on the bottom edge of the grid square in question. Therefore in this case the northing is **01**.

Therefore the four figure grid reference for the bridge is **4201**.



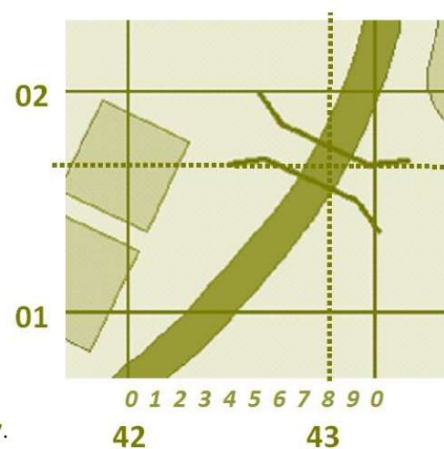
Six Figure Grid References

Six figure grid references tell the reader a more precise location of a feature.

In order to find the exact location of where the bridge crosses the river, the reader should imagine that each easting and northing has been further divided into ten parts, numbered zero to nine. The more precise easting is the line number (in this case 42) followed by this division number (in this case 8). Therefore the precise easting for the bridge crossing is **428**.

Then the reader needs to find the precise northing. The left edge of the square can also be imagined to have these divisions. Therefore, reading from the bottom of the square to the top, the more precise northing for the bridge crossing is **017**.

Therefore the six figure grid reference for the bridge crossing is **428017**.



Mexico-USA migration

PUSH FACTORS.

People move to get away from the things they do not like.

- Mexico has poor medical facilities
- 40% of working age people are unemployed
- Poor adult literacy rates (only 55%)
- GNI per capita = \$18000
- Life expectancy 72 years

PULL FACTORS.

People move to be nearer the things they do like.

- Good adult literacy rates (99%)
- USA has excellent medical facilities
- Jobs available for low paid workers
- GNI per capita = \$66,000
- Life expectancy 78 years