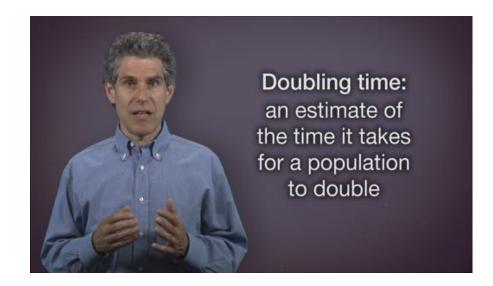


$$\frac{4}{100} = 4\% \text{ growth rate}$$

# Growth rate:

(births + in-migration) – (deaths + out-migration)

total population



### The rule of 70:

Doubling time =  $\frac{70}{\%}$  growth rate



#### The rule of 70:

Doubling time = 
$$\frac{70}{2}$$
 = 35 years

#### Crude birth rate (CBR):

number of live births per 1000 individuals in a population per year

# Crude death rate (CDR):

number of deaths per 1000 individuals in a population per year Global population growth rate:

CBR - CDR

10

#### Total fertility rate (TFR):

estimate of average number of children that each woman in a population will bear throughout her childbearing years

#### Replacement level fertility:

total fertility rate (TFR) required to offset the average number of deaths in the population so the current population size remains the same

## Infant mortality:

number of deaths before the age of one year per 1000 live births in the population





#### Net migration rate:

difference between immigration and emigration in a given year per 1000 people in a country

Positive net migration: more immigration than emigration

Negative net migration: more emigration than immigration

#### Life expectancy:

average number of years that an infant born in a particular year in a particular country can be expected to live