

POPULATION PRACTICE

DEMOGRAPHY is the study of population, and POPULATION is the set of people living permanently in one territory.

The population may increase naturally by BIRTH. A relationship between births in a territory and its inhabitants is called BIRTH RATE.

Birth Rate = (Births in a Year / Population) x1000

It is expressed in the number of births per thousand inhabitants, because it is easier - for example - to say that there were 8 births per thousand inhabitants to express that there were 0.008 births in that population.

It can also increase the population by the inhabitants who come to live in that territory. They are the IMMIGRANTS. Tourists are not included because they are less than a year old and do not work at the place they are traveling to.

The population may decline naturally due to deaths or IMMIGRANTS. The relationship between the deaths that exist in a territory and its inhabitants IS called MORTALITY.

Death Rate = (Deaths in a Year / Population) x1000

It is expressed in the number of deaths per thousand inhabitants, because it is easier to say - for example - than there were 8 deaths per thousand inhabitants to express that there were 0.008 death in that population in a year.

It can also decrease the population because its inhabitants will live in another territory. In that case we are talking about EMIGRANTS: people who move permanently to another place to live and work.

Say whether the following statements are true or false:

- 1.- The population is the inhabitants who are in a place and live there in a permanent way.
- 2.- The population may increase due to births and emigrants
- 3.- The birth rate relates the births to the population where they were produced.
- 4.- The decrease in population is caused by deaths and immigrants.

5.- Mortality relates deaths to the number of people who are born.

Now calculate:

A) Last year there were 8 births in Vivalia, which had 1000 inhabitants.

What was the birth rate (BR)? births per 1000 inhabitants

B) In Pobencia (which has 3000 inhabitants) there were 24 births. What

was the birth rate (BR)? births per 1000 inhabitants

C) In Pobencia (3000 inhabitants), in addition to 24 births, there were 20 deaths, 7 emigrants left and 6 immigrants came. How many inhabitants are there at the end of the year? inhabitants

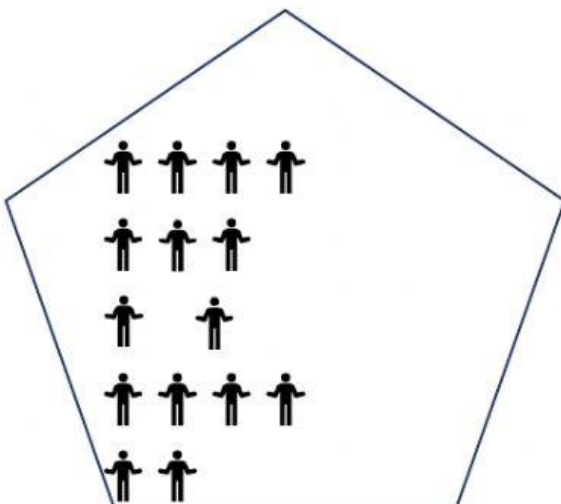
POPULATION AND TERRITORY

A population can occupy a small space, so that we say that such a place is very populated, or be in a very large space, so we would say that such a place is not very populated. The relationship between population and territory (area measured in km²) is called POPULATION DENSITY (D.P.)

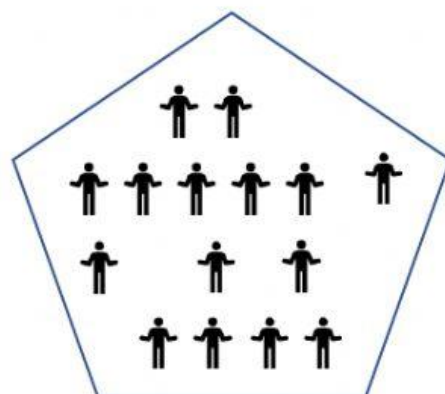
$$\text{D.P.} = \text{Inhabitants} / \text{km}^2$$

In this way we have that two territories with similar populations are more or less populated because the inhabitants live more or less scattered (i.e. they have higher or lower population density). Look at the following drawings for two territories, Pobolante and Argolante, and answer:

POBOLANTE



ARGOLANTE



1. How many inhabitants does Pobolante have ?:
2. How many inhabitants does Argolante have ?:
3. Do they have the same population?
4. The area of Pobolante is 5 km². What is the population density of Pobolante? inhabitants per square kilometer
5. The surface of Argolante is 3 km². What is the population density of Argolante? inhabitants per square kilometer
6. Are the two territories equally populated (have the same density)? (Yes or No) Why? Because the Argolante's surface is smaller than the Pobolante's surface (True or False)