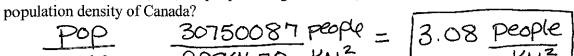
Practice Population Math Worksheet 1. In 2000, there were 30,750,087 people living in Canada, which has a total area of 9,984,670 km². What was the



$$\frac{\text{Pop}}{\text{area}} = \frac{30750087}{9984670} \frac{\text{People}}{\text{KM}^2} = \frac{3.08}{\text{KM}^2} \frac{\text{People}}{\text{KM}^2}$$

2. In reality, there are a lot of fresh water lakes in Canada, about 891,163 km² of lakes. What was the population density of terrestrial Canada in 2000?

3. In 1999 with a beginning population of 30,491,000 people, there were 335,500 births in Canada. What was the birth rate, expressed as per 1000 (crude birth rate)?

$$\frac{335,500 \text{ births}}{30,491,000 \text{ PPI}}$$
 $\frac{11}{1000}$ $\frac{11}{1000}$ $\frac{11}{1000}$

4. In Canada during the same year there were 225,500 deaths, 205,711 immigrants and 41,142 emigrants. What was the growth rate for Canada, expressed as a percentage?

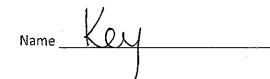
$$(335,500 + 205,711) - (225,500 + 41,142) = \frac{274,569}{30491000} = 10.9\%$$

5. How many years will it take for Canada's population to double?

$$\frac{70}{.9} = [77.8 \text{ yrs}]$$

6. The population density of California is about 82 people per km². How much more densely populated is California than Canada (total area)? Canada = 3.38 ppl/km2 CA = 82 ppl/km2

7. In 1997, the population of Hawaii was 1,115,274 on a total surface area of 6,423 square miles. What was the population density of Hawaii?



1. What is the Birth rate for a country that has a population of 120,000 and 2400 births per year?

2. What is the birth rate for a country with 35 births per thousand?

$$\frac{35}{1000} = 0.035 | \overline{3.52}$$

What is the death rate for a country that has a population of 1,500,000 and 60,000 deaths per year?

4. What is the growth rate for a country that has a total population of 11,000,000 with 320,000 births and 650,000 deaths?

$$\frac{320,000-650,000}{11,000,000} = -0.03 \left[-37.0 \right]$$

What is the growth rate for a country that has 60,000 births and 50,000 deaths per year along with 20,000 people who immigrate in and 10,000 people who emigrate out? The total population is 20,000,000.

$$(60,000 + 20,000) - (50,000 + 10,000)$$

$$\frac{20,000}{20,000} = 0.001 \boxed{0.176}$$
6. Belgium has a growth rate of 0.1% In how many years will it double its population?

7. Libya is doubling its population every 19 years. What is the growth rate?

The country of Togo in Western Africa has a growth rate of 3.5%. It's present population is 4.8 million. How long will it take for Togo to double its population?

How long will it take Togo to reach 19.2 million people?

$$\frac{20 \text{ yrs}}{40 \text{ yrs}} = 9.6$$