

EXTRA CREDIT



U.S. Population

330,175,745

US Census Bureau Population Clock

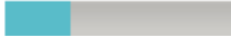
Components of Population Change

18:17:03 UTC

One birth every 8 seconds



One death every 12 seconds



One international migrant (net) every 47 seconds



Net gain of one person every 16 seconds



Submit your answers to Blackboard

1. What is the Rate of Natural Increase?
2. What is the Population Growth Rate (%)?
3. When would the US double in size (use the PGR from Q2)?

Calculating the Rate of Natural Increase, the Population Growth Rate, and the Doubling Time

Submit your answers on WileyPlus in Assignment CH5 Extra Credit.

1. Calculate the US Rate of Natural Increase (RNI)

2. Calculate the US Population Growth Rate (PGR)

Hints!

1. Birth and Death Rates → Rate of Natural Increase
 - a. Note that the births and deaths are shown in seconds... how many would that be each year? Use 365 days in a year...
 - b. Use the number above as the population of the US (330,175,745) ...
 - c. Remember... Crude Birth Rates and Crude Death Rates are calculated “per thousand” ... !
2. Including Migration and calculating the Population Growth Rate
 - a. As above... first figure out how many people were added to the US population if at a net gain of 1 person very 16 seconds.
→ Net Gain means that more people came into the US than moved from the US to another country.
 - b. Remember: Population Growth Rate is calculated as a “per cent” change.
3. Using the Population Growth Rate, and assuming that it stays at that rate for the foreseeable future, in what year would the US population double in size?