

Population Spaces Data

Space per Person

If we look at the amount space used per person, the size of our population in relation to land usage can be more easily understood.

1. Find the current populations of:
 - a. P_{USA} , the United States. (See, e.g., the US Census Population Clocks.)
 - b. P_{USA} , the World.
2. Find the size of:
 - a. The State of Texas.
 - b. The average house in the USA.
 - c. The land area of the world.

Population Spaces Questions

Space per Person

Let's look at the ratios that will tell us about land usage.

1. Calculate:
 - a. The square feet of Texas per person in the world.
 - b. The percent of Texas covered by giving every person in the world a $20' \times 20'$ area.
 - c. The square feet required to give every person in the world a house of the average size in the USA.
 - d. The number of Earth's required to give every person in the world a house of the average size in the USA.

Critical Thinking Questions

Space per Person

It's time to analyze what we've found.

1. Reflect on your computation and explain:
 - a. How
 - b. Why
 - c. Can this be
 - d. Can we change
2. Redo the computations with data from
 - a. 1900
 - b. 2000

Compare with your original figures and discuss the trends you observe.