

Percentages of World Population Living in Urban Areas

Year	% Urban	% Rural
1950	30	
1960	34	
1970	37	
1980	39	
1990	43	
2000	48	

1. Find the percent rural population for each decade.
2. Plot the points for both functions on the same graph.
3. Draw the lines of best fit.
4. What is the rate of change for urban and rural populations?

Explanation #4

5. Write the equations of the lines of best fit for urban and rural population.

Explanation #5

6. If the trend continues, what might the percent of population that is urban in the year 2010?

Explanation #6

7. If the trend continues, when will the percent of population that is urban be 90%?

Explanation #7

8. When will the percent of urban population equal the percent of rural population?

Explanation #8

9. What will be the percent urban population when it equals the percent rural?

Explanation #9