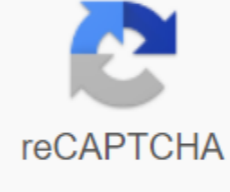I'm not robot

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Worksheet 32 population pyramid answer key

ASSIGNMENT: POPULATION PYRAMIDS A diagram showing the percentage of the state's total population in five-year age categories is known as the population pyramid. In the pyramid, the percentage of males is the graph on the left side of the vertical axis, and for females it is a graph on the right side of the axis. The shapes of population pyramids reveal three types of population growth. There are 1. Fast-growing population = broad base – e.g. Stable population = narrow base - rich developed countries, 3. Dwindling population = very thin base and large chest - very wealthy nations. Assignment: Go to the website - . This is a U.S. Census Bureau website that summarizes demographic data for several countries around the world. In the column reserved for the query, select Jamaica and click Submit Query. When you open jamaican population data, print summary data for the 2000 population. Repeat the process of printing population data for Italy. For this task, you will only need 2000 population data for both countries. Calculate the proportion of the total population for all 5-year age categories for people in both countries, and then use the chart sheet in the class or any chart to construct the appropriate population pyramid for 2 countries. Use ONLY 2 different colors or shades; one for the male section and the other for the female section of each pyramid. How to calculate percentages for cohort or age group 5 years 1. Collect data on the population of a country that is already classified as male/female, as well as in age categories of 5 years, e.g. Take one category (i.e. men), then select the cohorts in turn and calculate the percentages that each 5-year age group creates in the entire population. For example, if men aged 0 to 4 years were 32,000 of the population of a given state and the total population for the state (per year) is 3,000,000 then the percentage for men aged 0-4 would be calculated as: 32,000/3,000,000 x 100 = 1.06% 3. Repeat the process in 2 above and calculate the percentages for all age categories 5 years for men and women in turn. 4. Look for the chart/paper, then draw the middle axis/line in the middle. Create a scale for the percentages of the population at the bottom of the axis (the scale should not exceed 0-10%). Then plot the population percentages for the 5-year age groups for the men to the left of the centerline in the chart and plot the percentages for the women on the right side of the axis. 5. Use different shades or colors (of your choice) to show part of the chart for men and women. Divide the pyramids into three sections, extending the lines that mark the upper limits of 10-15 year olds and 60-65-year-olds throughout the pyramid. This will create three sections: (a) 0 – 15 years old = representation of children, group, b) 15 – 65 year olds, representing productive, working group that make up the country's workforce and ... c) persons aged 65+ years representing seniors or pensioners who are also economically dependent on the labour force in the country. In a piece of paper from the two pyramids you have built, on paper on which you have earned a percentage of the total population for different 5-year-old age groups, and answers to the following questions: 1. Which of these two countries has a faster growing population? 2. Which country has a declining population? 3. Which of the three broad age groups (0-14, 15-65 and 65+) in (a) Jamaica and (b) Italy paid more taxes in 2000? 4. Give two reasons why there are fewer men than women in the senior age group (over 65 years of age). 5. Why do you think the pyramid in Jamaica has a very thin top? What reasons can we give to explain why the shape of the pyramid is so thin at the top? 6. What is the high concentration of older people in Italy? Explain. 7. Why is it important for the country to have more people in the 16-64 age group? 8. Identification of the main problem faced by the population: (a) Jamaica and (b) Italy; and propose two appropriate measures or population control policies that can be adopted to address the identified population problem. 9. Which country has a workforce with higher tax burdens, and why is that? 10. Calculate and comment on dependency rates for 2 countries. Them.