The 123 text covered dependency ratios for the total population of the United States. The snapshot below is a spreadsheet that also separates the population into regions.



*Source: http://www.census.gov/population/age/data/2011comp.html*

1. You will need to select a region to use to complete the questions below. Refer to your book if necessary.
	1. Which region will you be using for your calculations? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Note the age groupings in the table, it will be helpful to regroup the ages to calculate dependency ratios.
	1. What is the total population for the under-15 year olds for your region?
	2. What is the total population for the 15-64 year olds for your region?
	3. What is the total population for the over-65 year olds for your region?
3. Calculate the ratio of under-15 year-olds to the total population of the selected region.
	1. What kind of ratio is this: a part to part or part to whole?
	2. Write the ratio in at least 2 ways.
	3. Use this ratio in a meaningful sentence.
4. Calculate the ratio of age 65-and-over to the total population of the selected region.
	1. What kind of ratio is this: a part to part or part to whole?
	2. Write the ratio in at least 2 ways.
	3. Use this ratio in a meaningful sentence.
5. If you write the ratios from the last two questions as decimals and multiply 100 you can express the ratios as “per hundred” or a percent.

What percent of the total population would be classified as “child dependent”?\_\_\_\_\_\_\_

What percent of the total population would be classified as “old-age dependent”\_\_\_\_\_\_\_

1. **Child dependency ratio.**
	1. Explain how to calculate a **child dependency ratio** *(you may want to refer to your notes, this is not the same as what was calculated above).*
	2. Find the child dependency ratio for your selected region.
	3. Use the ratio in a sentence to explain its meaning.
	4. Write a sentence explaining the meaning of the ratio with your ratio expressed in a different way.
2. **Old-age dependency ratio.**
	1. Explain how to calculate an **old-age dependency ratio** *(you may want to refer to your notes, this is not the same as what was calculated above).*
	2. Find the old-age dependency ratio for your selected region.
	3. Use the ratio in a sentence to explain its meaning.
	4. Write a sentence explaining the meaning of the ratio with your ratio expressed in a different way.
3. **Age-dependency ratio.**
	1. Explain how to calculate the **dependency ratio** (*you may want to refer to your notes*).
	2. Find the age-dependency ratio for your selected region.
	3. Use the ratio in a sentence to explain its meaning.
	4. Write a sentence explaining the meaning of the ratio with your ratio expressed in a different way.
4. **Analyze:** Due to the baby boomers and extended life expectancy in the U.S., some say the **age-dependency ratio** should NOT include the 65-69-year-olds, because they are still in the workforce. Recalculate the **age-dependency ratio** using this new strategy. Compare your outcome to the age-dependency ratio found using the original strategy. Does the rate go up or down? Explain which is more “desirable”? What are some pros and cons associated with the two strategies? *Please state your findings in complete and meaningful sentences.*