

Who is going back to school?

According to the U.S. Census Bureau's 2015 data, 77.1 million students are projected to enroll in the nation's schools this year. (grades K - college)

Source: <https://www.census.gov/newsroom/press-releases/2016/cb16-tps142.html>

		2010	2000	1990	1960
Population of United States	326,651,973 As of July 2017	308,745,538	281,421,906	248,709,873	179,323,175
Number of Students Enrolled	77,100,000 As of October 2015	78,519,000	72,214,000	60,588,000	46,260,000

1. Write two different mathematical statements comparing any of the data in the table.
2. Using the most current statistics, what percent of the US population was enrolled in K - college schools? (Please show your work.)
3. Using the 2010 statistics, what percent of the US population was enrolled in K - college schools September 2010? (Please show your work.)
4. Using the 2000 Census statistics, what percent of the US population was enrolled in K - college schools in 2000? (Please show your work.)
5. Using the 1990 Census statistics, what percent of the US population was enrolled in K-12 schools in 1990? (Please show your work.)
6. Using the 1960 Census statistics, what percent of the US population was enrolled in K-12 schools in 1960? (Please show your work.)
7. Does this imply that the US population is getting older, younger, less educated, more educated, or something else?
8. In 2008 (last available data) there were approximately 15.4 million computers for use in the classroom in the United States. (This is a pretty outdated statistic since schools now often supply iPads and other handheld devices for student learning.) On average, in 2008, how many students would one computer serve? What do you predict is the present day student to computer ratio?

State pop.	2016	2010	2000	1990
Alabama	4,863M	4,780M	4,447M	4,041M
Alaska	741.9K	710K	627K	550K
Arizona	6,93M	6,329M	5,131M	3,665M
Arkansas	2,988M	2,916M	2,673M	2,351M
California	39,250M	37,254M	33,872M	29,760M
Colorado	5,540M	5,029M	4,301M	3,294M
Connecticut	3,576M	3,574M	3,406M	3,287M
Delaware	952K	898K	784K	666K
DC	681K	602K	572K	607K
Florida	20,612M	18,801M	15,982M	12,938M
Georgia	10,310M	9,688M	8,187M	6,478M
Hawaii	1,428M	1,360M	1,212M	1,108M
Idaho	1,683M	1,568M	1,294M	1,007M
Illinois	12,801M	12,831M	12,419M	11,431M
Indiana	6,663M	6,484M	6,081M	5,544M
Iowa	3,135M	3,046M	2,926M	2,777M
Kansas	2,907M	2,853M	2,688M	2,478M
Kentucky	4,437M	4,339M	4,042M	3,685M
Louisiana	4,682M	4,533M	4,469M	4,220M
Maine	1,331M	1,328M	1,275M	1,228M
Maryland	6,016M	5,774M	5,297M	4,782M
Massachusetts	6,812M	6,548M	6,349M	6,016M
Michigan	9,928M	9,884M	9,938M	9,295M
Minnesota	5,520M	5,304M	4,920M	4,375M
Mississippi	2,989M	2,967M	2,845M	2,573M
Missouri	6,093M	5,989M	5,595M	5,117M
Montana	1,043M	989K	902K	799K

State pop.	2016	2010	2000	1990
Nebraska	1,907M	1,826M	1,711M	1,578M
Nevada	2,940M	2,701M	1,998M	1,202M
New Hampshire	1,335M	1,317M	1,236M	1,109M
New Jersey	8,944M	8,792M	8,414M	7,730M
New Mexico	2,081M	2,059M	1,819M	1,515M
New York	19,745M	19,378M	18,977M	17,991M
North Carolina	10,147M	9,536M	8,049M	6,629M
North Dakota	758K	673K	642K	639K
Ohio	11,646M	11,537M	11,353M	10,847M
Oklahoma	3,924M	3,751M	3,451M	3,146M
Oregon	4,093M	3,831M	3,421M	2,842M
Pennsylvania	12,784M	12,702M	12,281M	11,882M
Rhode Island	1,056M	1,053M	1,048M	1,004M
South Carolina	4,961M	4,625M	4,012M	3,487M
South Dakota	865K	814K	755K	696K
Tennessee	6,651M	6,346M	5,689M	4,877M
Texas	27,863M	25,146M	20,852M	16,987M
Utah	3,051M	2,764M	2,233M	1,723M
Vermont	625K	626K	609K	563K
Virginia	8,412M	8,001M	7,079M	6,187M
Washington	7,288M	6,725M	5,894M	4,867M
West Virginia	1,831M	1,853M	1,808M	1,794M
Wisconsin	5,779M	5,687M	5,364M	4,892M
Wyoming	586K	564K	494K	454K
Total U.S.=	323B	308,74M	281B	248,710M

9. Judging from the table above, how many students would you guess are entering K – 12 schools in your state? Be sure to show your work and thinking.

- \$90,740 is the average annual 2016 earnings of workers 25 and older with an advanced college degree.
- This compares with \$26,208 for those without a high school diploma.
- In addition, those with a bachelor's degree earned an average of \$60,112 in 2016.
- Those with a high school diploma earned \$35,984.

Source: https://www.bls.gov/emp/ep_table_001.htm

Degree of education	Earnings	Difference between high school diploma income	Percent change from high school diploma income
No high school diploma			
Received a high school diploma			
Received a bachelor's degree from college			
Received an advanced college degree			

10. Use the table above to help you calculate the difference in earnings between people with various education levels.

11. Why did I ask you to calculate all of these income differences?

Source: https://www.bls.gov/emp/ep_table_001.htm
https://en.wikipedia.org/wiki/List_of_U.S._states_and_territories_by_population

WELCOME BACK TO SCHOOL!