

Announcements

- Midterm is THIS Thursday, 2/28 in recitation
 - Make sure you arrive 10 minutes early! Exam starts promptly at the beginning of class.
 - Notes + Calculator are OK!
 - No phones, laptops, smartwatches.
- Writing Project DUE 3/18 at 10 pm on D2L (not by email).

Review for Midterm

Those with online dating experience are more likely to have positive attitudes towards dating digitally

% in each group who agree that ...



Source: Survey conducted June 10-July 12, 2015.

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Choose ALL statements that are correct based on FIG 1.2?

- A. About 8 in 10 people who have used online dating believe that online dating is a good way to meet people.
- B. About one-in-four people who have not used online dating believe that people who use online dating are desperate.
- C. 69% of people who have used online dating do NOT believe that online dating keeps people from settling down.
- D. The number of people who have not used online dating but think online dating is more dangerous than other ways of meeting is more than the number of people who have used online dating but think online dating is more dangerous than other ways of meeting.

FIG 1.2

College grads and the affluent especially likely to know someone who met a partner via online dating

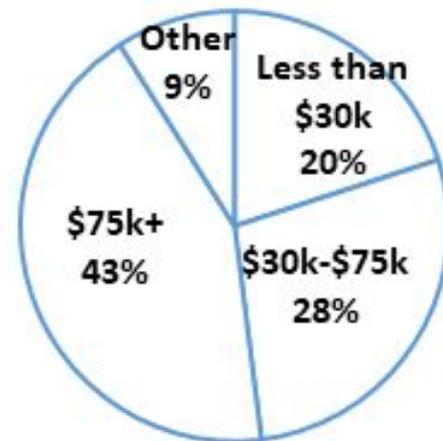
% within each group who ...

	Know someone who uses online dating	Know someone who has entered a long-term relationship via online dating
All adults	41%	29%
18-24	57	34
25-34	56	33
35-44	45	33
45-54	38	29
55-64	33	28
65+	21	20
High school grad or less	25	18
Some college	46	30
College graduate	58	46
Less than \$30k	30	20
\$30k-\$75k	40	28
\$75k+	58	43

Source: Survey conducted June 10-July 12, 2015.

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KNOW SOMEONE WHO HAS ENTERED A LONG-TERM RELATIONSHIP VIA ONLINE DATING



Is the pie chart above correctly displaying data given in the TABLE 1.1? Explain.

College grads and the affluent especially likely to know someone who met a partner via online dating

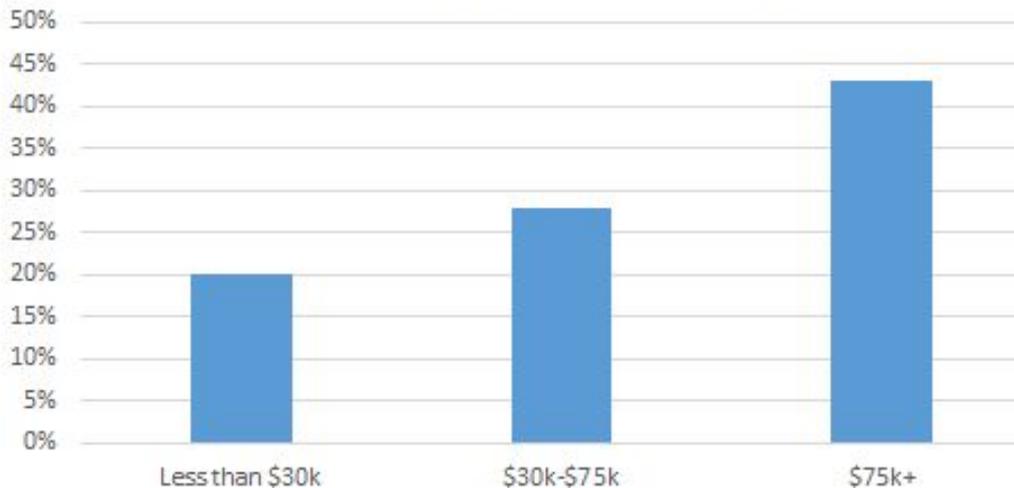
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Source: Survey conducted June 10-July 12, 2015.

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Know someone who has entered a long-term relationship via online dating



Is the bar graph above correctly displaying data given in TABLE 1.1?

TABLE 1.1

College grads and the affluent especially likely to know someone who met a partner via online dating

% within each group who ...

	Know someone who uses online dating	Know someone who has entered a long-term relationship via online dating
All adults	41%	29%
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Source: Survey conducted June 10-July 12, 2015.

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_____percent of adults 35-44 years old know someone who uses online dating. From this we can deduce that _____ percent of adults 35-44 years old do NOT know someone who uses online dating.

True or False:

- According to the table, the number of adults 18-24 year olds who know someone who uses online dating is larger than the number of 55-64 year olds who know someone who uses online dating.
- According to the table, about three quarters of adults with high school grad or less do not know anyone who uses online dating.
- The table must be wrong because it states that 41% of all adults know someone who uses online dating but that is not the average of all of the percents given in the table.

TABLE 1.1

Race/ethnicity in 2017

White Hispanic Black Asian Other

Millennials

Ages 21 to 36
Born 1981-96



Gen Xers

Ages 37 to 52
Born 1965-80



Boomers

Ages 53 to 71
Born 1946-64



Silents/Greatest

Ages 72 and older
Born before 1946



FIG 2.1

Write two wrong statements and one right describing the number 18 from FIG 2.1 above. Swap with your neighbor to quiz each other.

Student Examples:

Marital status in 2017

Married Separated/divorced Widowed Never married

Millennials

Ages 21 to 36
Born 1981-96



Gen Xers

Ages 37 to 52
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Boomers

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Born 1946-64



Silents/Greatest

Ages 72 and older
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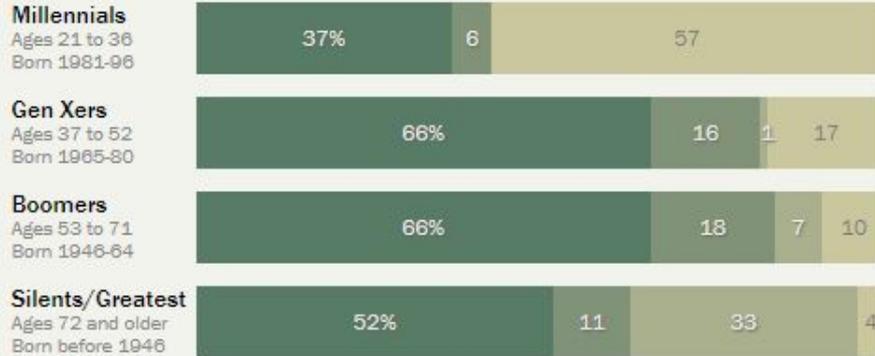


FIG 2.2

Based FIG 2.2, can we conclude that there are more Silent Generation people (in absolute numbers) who are married than there are Millennials who are married? Explain.

Marital status in 2017

Married Separated/divorced Widowed Never married



Population in 2017

Millennials

Ages 21 to 36
Born 1981-96

70.15 million

Gen Xers

Ages 37 to 52
Born 1965-80

64.79 million

Boomers

Ages 53 to 71
Born 1946-64

72.48 million

Silents/Greatest

Ages 72 and older
Born before 1946

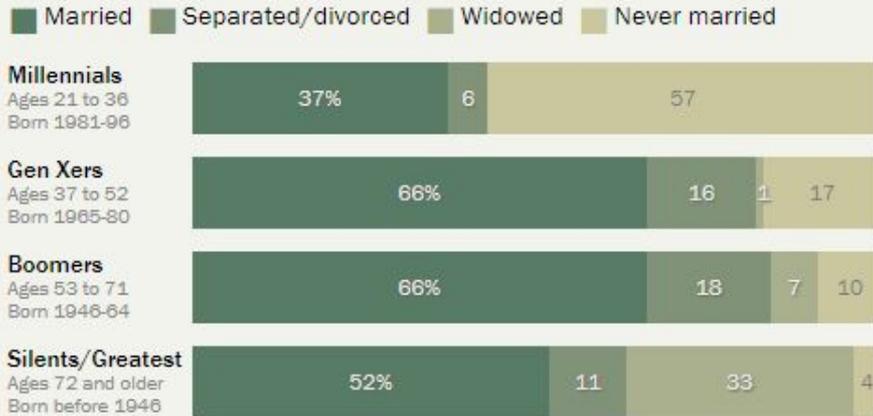
26.92 million

FIG 2.2

FIG 2.3

Combine the data from **FIG 2.2** and **FIG 2.3** above to find the number of Millennials who have never been married as of 2017.

Marital status in 2017



Population in 2017



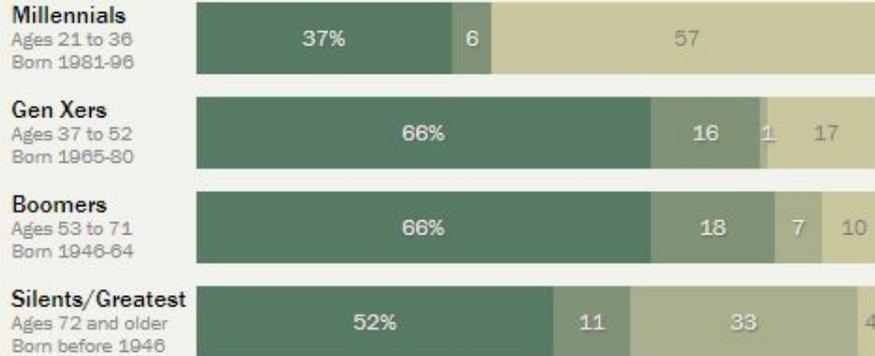
FIG 2.2

FIG 2.3

Based on **FIG 2.2** and **FIG 2.3**, can we conclude that there are more Boomers who are separated than there are Silent Generation people who are separated? Explain.

Marital status in 2017

Married Separated/divorced Widowed Never married



Population in 2017

Millennials

Ages 21 to 36
Born 1981-96

70.15 million

Gen Xers

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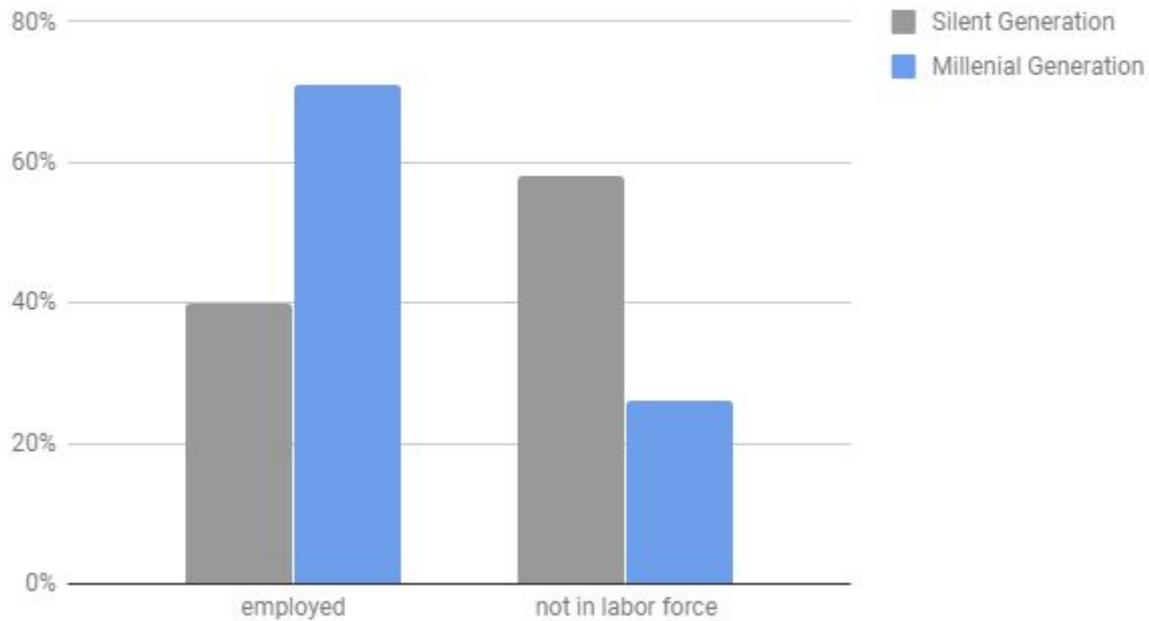
FIG 2.2

FIG 2.3

Based on **FIG 2.2** and **FIG 2.3**, can we conclude that there are more Silent Generation people who are separated than there are Millennials who are separated? Explain.

The authors state that “In 1965, when Silent women were young, a majority (58%) were not participating in the labor force and 40% were employed. Among Millennials, that pattern has flipped. Today, 71% of young Millennial women are employed, while 26% are not in the labor force.” Make a graph to illustrate this.

Women in the Labor Force



As young adults, Millennials more educated than previous generations

% of those ages 21 to 36 who have completed at least a bachelor's degree, by gender

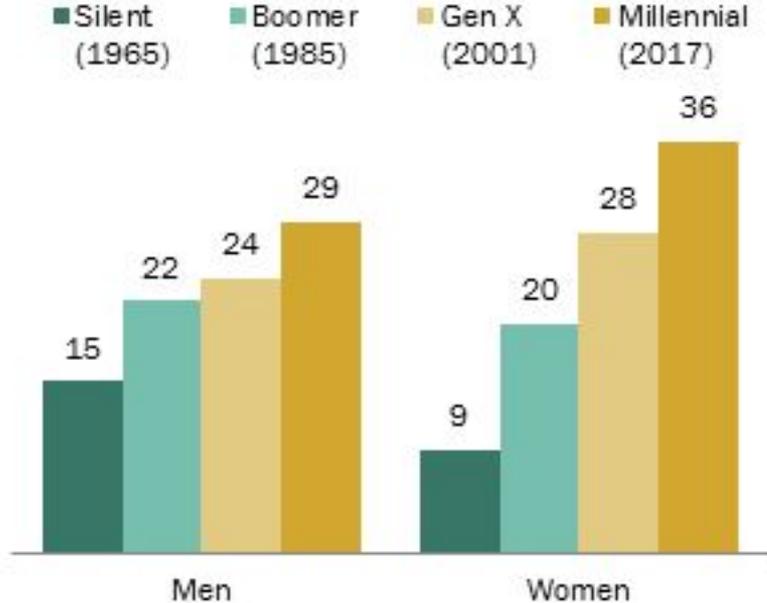
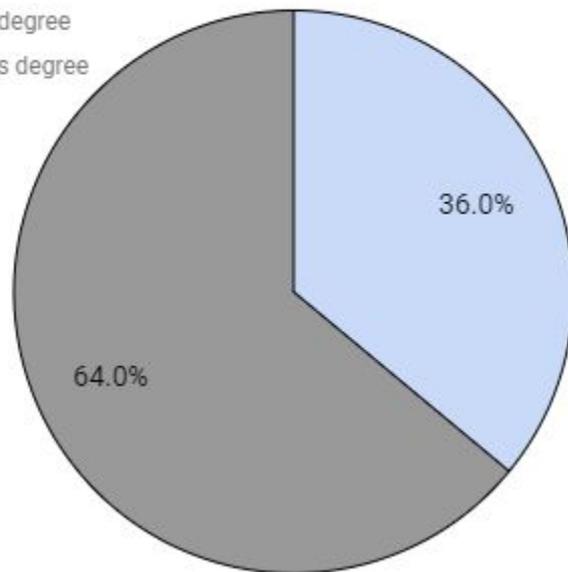


FIG 3

Based on the data in the **FIG 3**, make a pie chart to represent the educational attainment of Millennial women.

Educational Attainment of Millennial Women

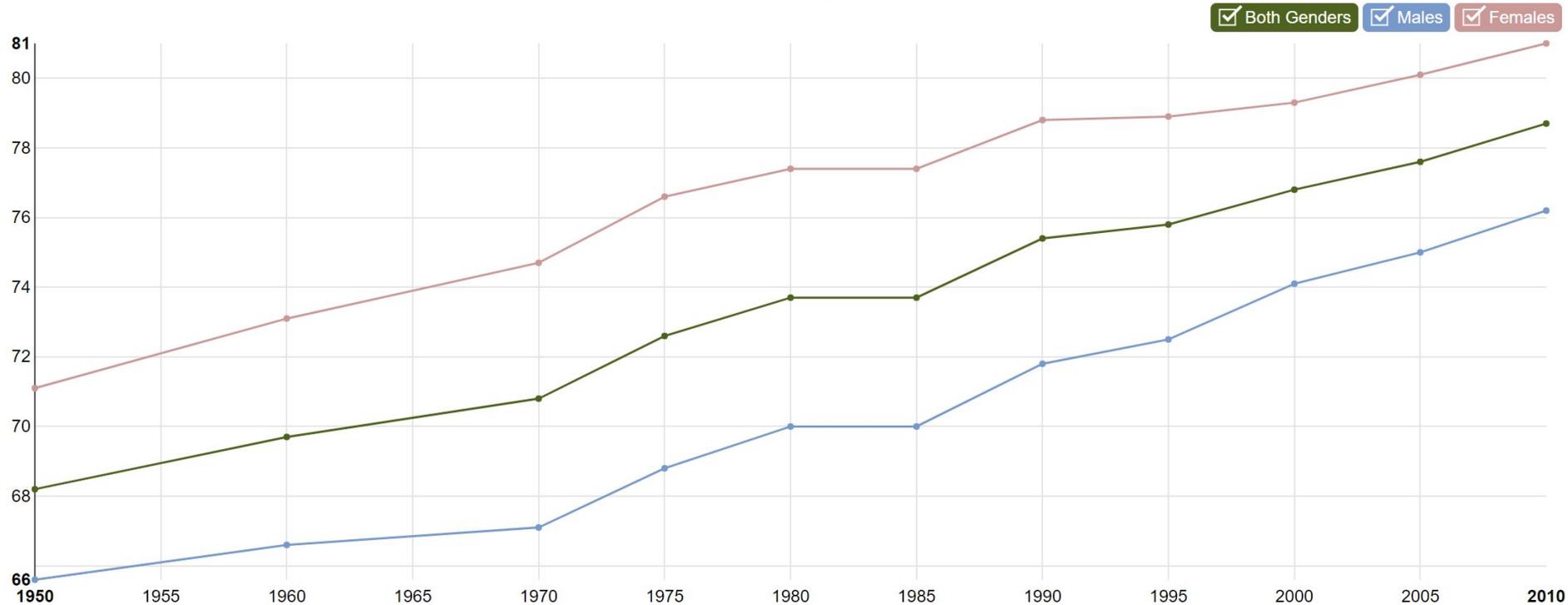
- at least a bachelor's degree
- less than a bachelor's degree



“Immigrants today account for 13.5% of the U.S. population, nearly triple the share (4.7%) in 1970. However, today’s immigrant share remains below the record 14.8% share in 1890, when 9.2 million immigrants lived in the U.S.”

Use this information to calculate the U.S. population in 1890.

Life Expectancy at Birth

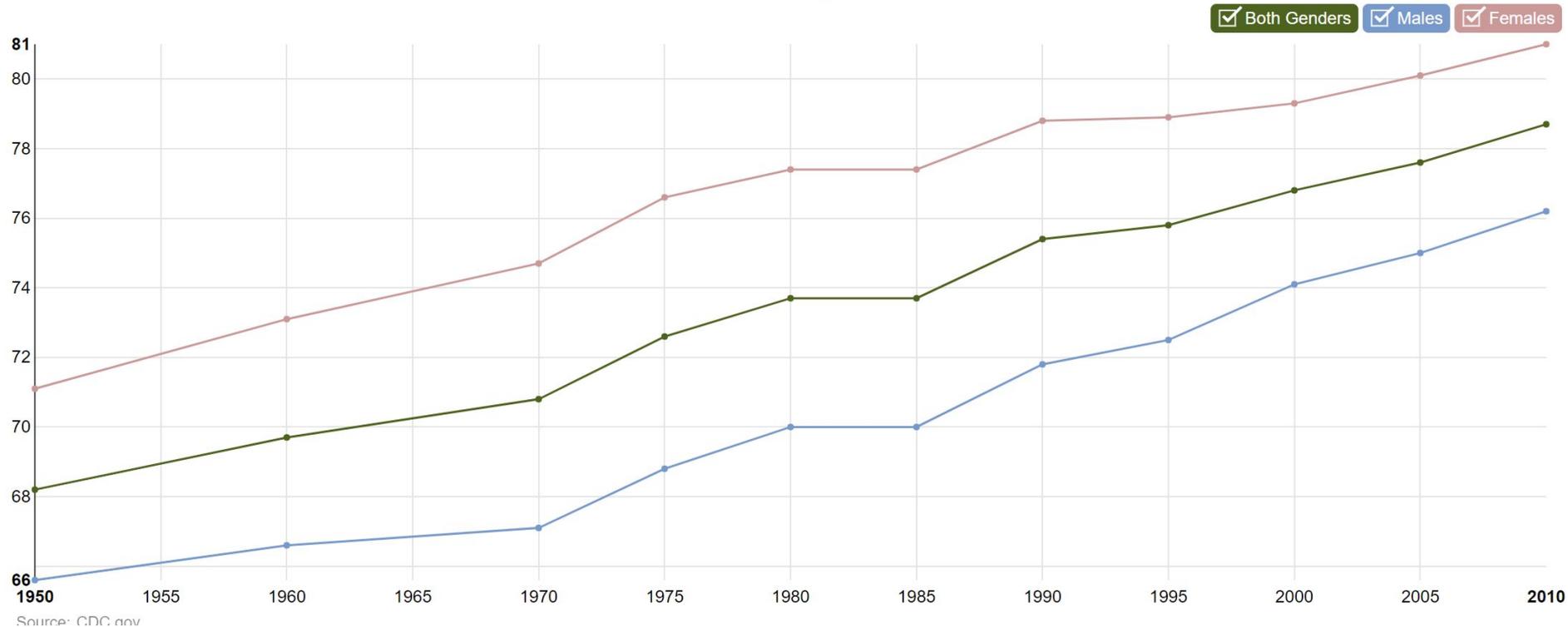


Source: CDC.gov

FIG 4

Use **FIG 4** above to calculate the percent change in life expectancy for females born in 1970 to females born in 1990.

Life Expectancy at Birth



Source: CDC.gov

FIG 4

Use **FIG 4** and extrapolation to predict the life expectancy for males born in 2030.

Life Expectancy at Birth

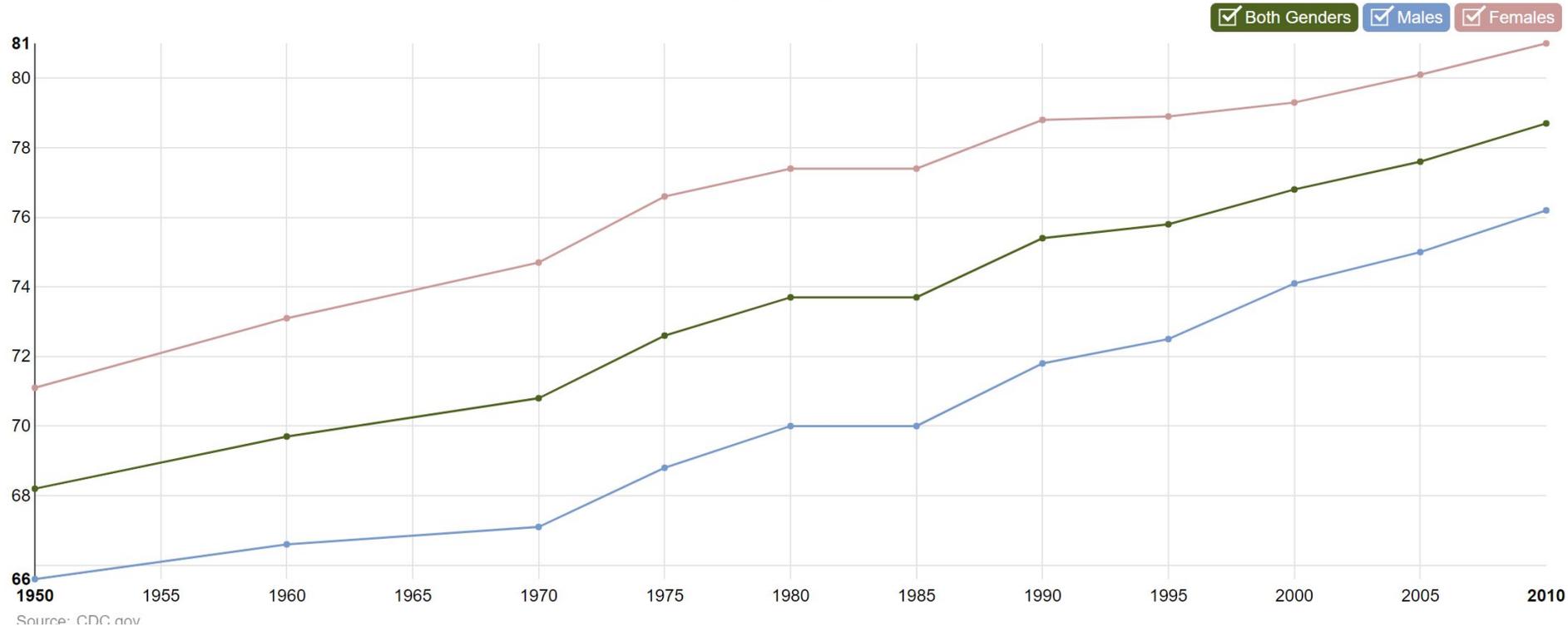


FIG 4

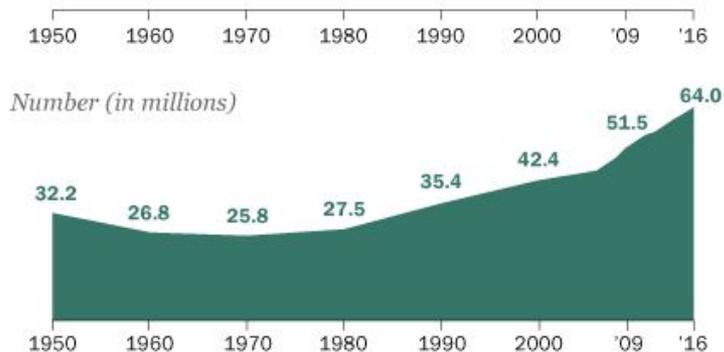
Use **FIG 4** and interpolation to predict the life expectancy for females born in 1987.

One-in-five Americans live in a multigenerational household

% of population in multigenerational households



FIG 5.1



Note: Multigenerational households include at least two adult generations or grandparents and grandchildren younger than 25.

Source: Pew Research Center analysis of 1950-2000 decennial censuses and 2006-2016 American Community Survey (IPUMS).

FIG 5.2

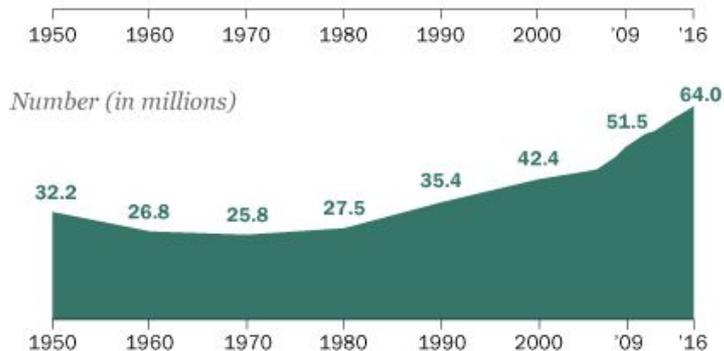
Use the data in **FIG 5.1** and **FIG 5.2** to calculate the total population of America in 1960.

One-in-five Americans live in a multigenerational household

% of population in multigenerational households



FIG 5.1



Note: Multigenerational households include at least two adult generations or grandparents and grandchildren younger than 25.

Source: Pew Research Center analysis of 1950-2000 decennial censuses and 2006-2016 American Community Survey (IPUMS).

FIG 5.2

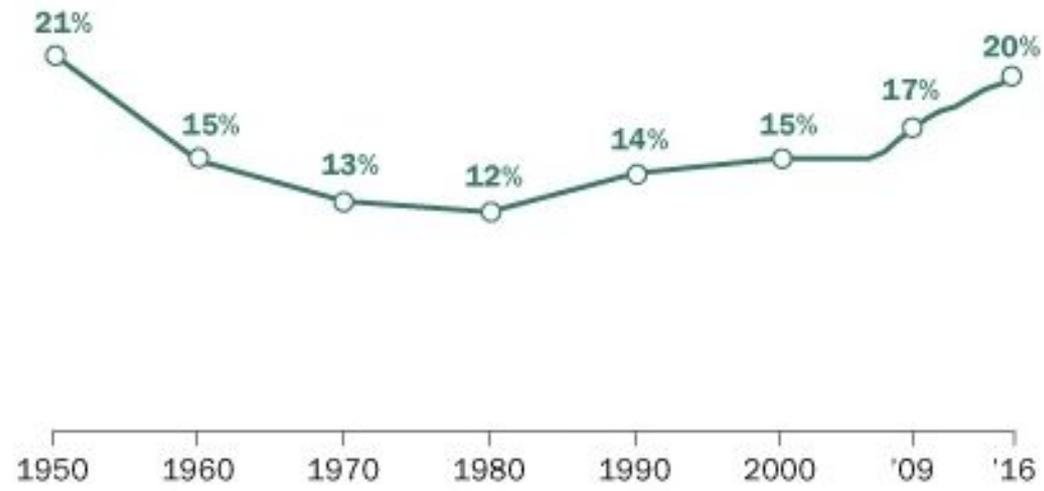
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Using **FIG 5.2** and interpolation, we estimate that the population of Americans living in multigenerational households in 1975 was:

- A. ~26.5 million
- B. ~24 million
- C. ~ 28 million
- D. Not possible to interpolate from this graph.

One-in-five Americans live in a multigenerational household

% of population in multigenerational households



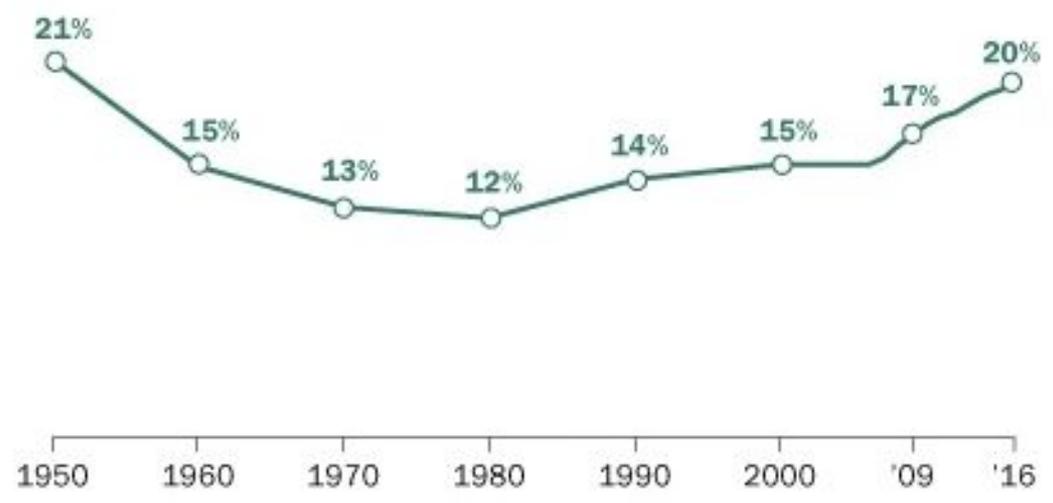
Using **FIG 5.1** and extrapolation, we estimate that the percent of Americans living in multigenerational households in 2023 will be:

- 17%
- 20%
- 23%
- 30%

FIG 5.1

One-in-five Americans live in a multigenerational household

% of population in multigenerational households

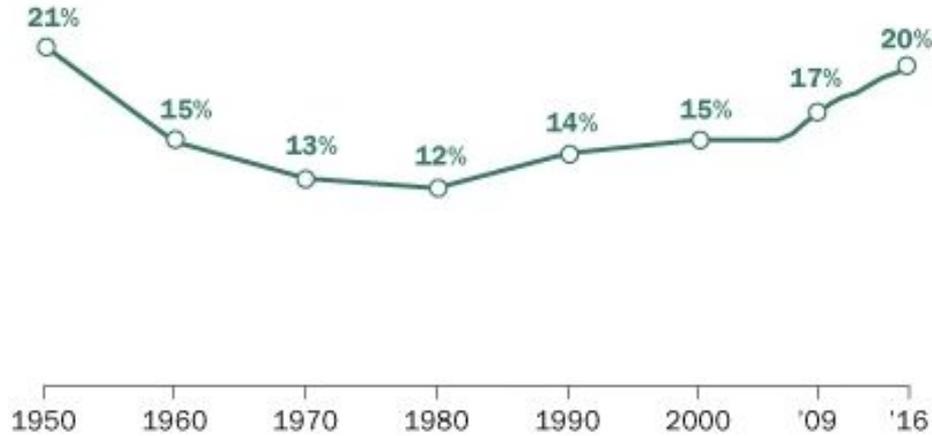


What data in **FIG 5.1** supports the title “One-in-five Americans live in a multigenerational household”?

FIG 5.1

One-in-five Americans live in a multigenerational household

% of population in multigenerational households

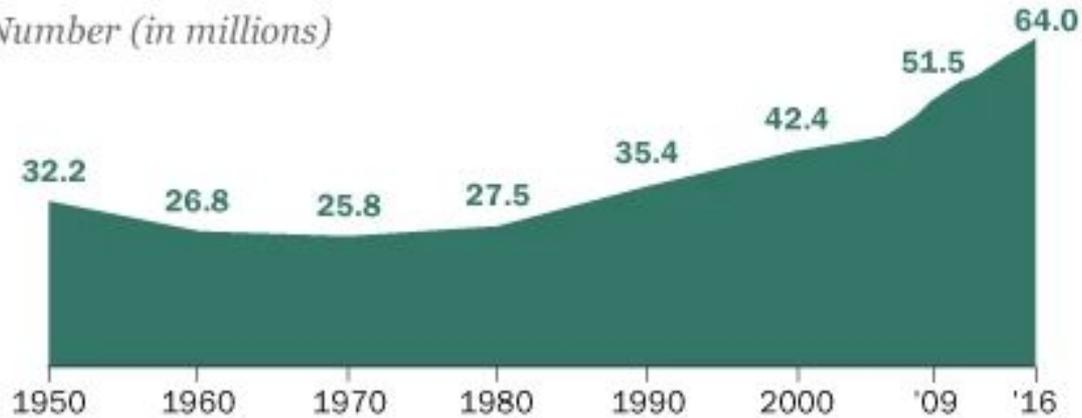


True or False:

According to **FIG 5.1**, the number of Americans living in a multigenerational household in 1970 was more than the number of Americans living in a multigenerational household in 1980.

FIG 5.1

Number (in millions)



Note: Multigenerational households include at least two adult generations or grandparents and grandchildren younger than 25.

FIG 5.2

FALSE!!!!

1970- 25.8 million
Americans (205.1
million total)

1980- 27.5 million
Americans (226.5
million total)

MORE total in 1980,
but a smaller
percent of the
population