**Math: Percentages with the Census**

Info source: [www.census.gov/newsroom/facts-for-features/2021/womens-history-month.html](http://www.census.gov/newsroom/facts-for-features/2021/womens-history-month.html)



Every ten years the United States government takes a census, which is a survey of all the people who live in America. They collect information about many things, including how many people identify as female or male. **We’re going to use these numbers to practice finding percentages.**

Question One: In 2019, there were 167 million females and 162 million males. What percentage of the population was female and what percentage was male?

*Let’s do the first part together:*

**Step One: Determine the total** 167 + 162 = 329 million

**Step Two: Divide the number you want the percentage of** 167 / 329 = 0.508

**Step Three: Multiply the value by 100** 0.508 x 100 = 50.8

Therefore, the US population in 2010 was 50.8% (or we can round to 51%) female.

*Now it’s your turn:*

**Step One: Determine the total** 167 + 162 = 329 million

**Step Two: Divide the number you want the percentage of** 162 / 329 = 0.\_\_\_\_\_\_\_

**Step Three: Multiply the value by 100** 0.\_\_\_\_\_\_\_ x 100 = \_\_\_\_\_\_\_\_

Therefore, the US population in 2010 was \_\_\_\_\_\_\_% male.

Question Two: In 2010 there were 157 million females and 152 million males. What percentage *increase* in females and males did the US have between 2010 and 2019?

*Let’s do the first part together:*

**Step One: Subtract the old number from the new number** 167 - 157 = 10

**Step Two: Divide the difference by the old number** 10 / 157 = 0.06

**Step Three: Multiply the value by 100** 0.06 x 100 = 6

Therefore, the population of females increased by 6% between 2010 and 2019.

*Now it’s your turn:*

**Step One: Subtract the old number from the new number** \_\_\_\_\_ - \_\_\_\_\_ = 10

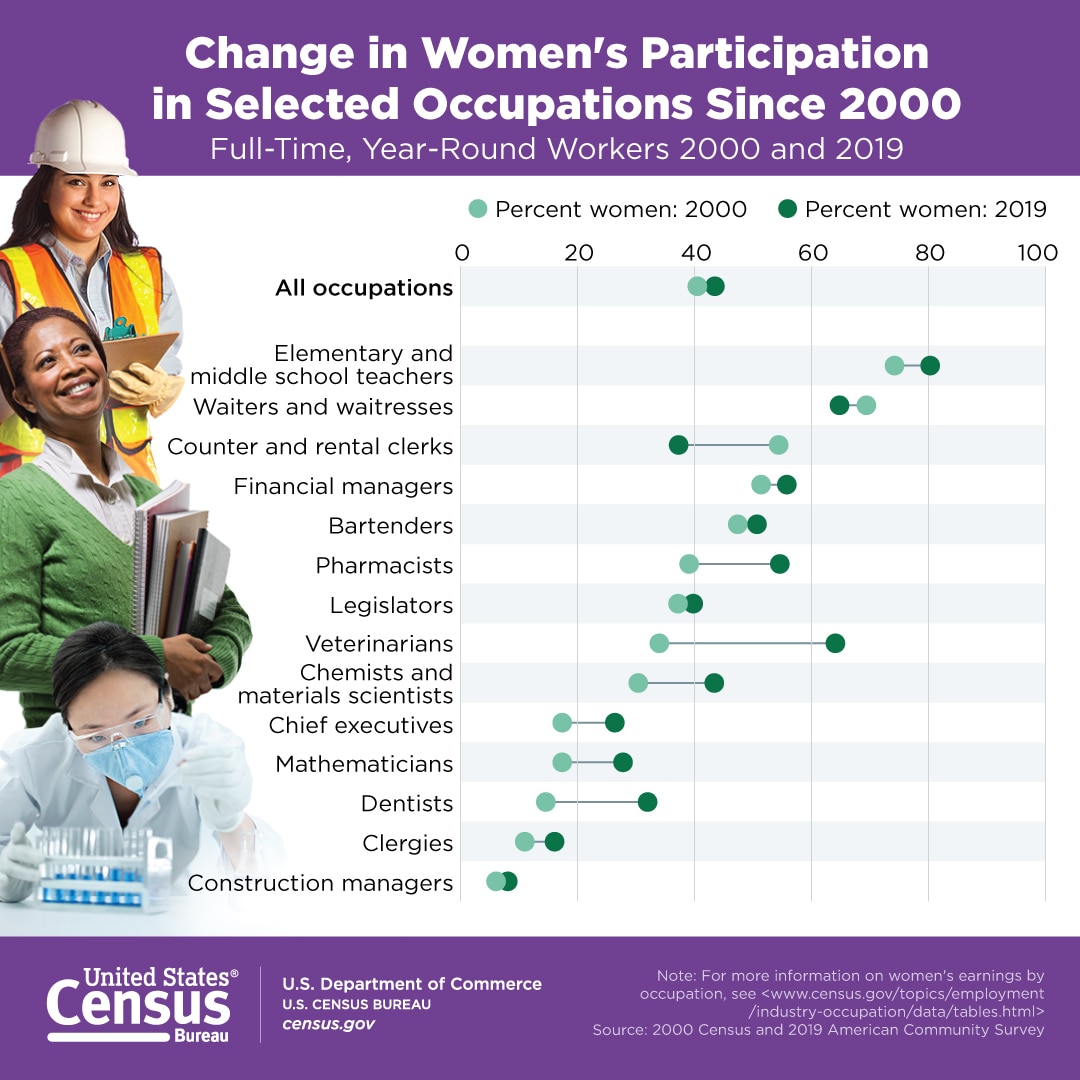
**Step Two: Divide the difference by the old number** 10 / \_\_\_\_\_ = \_\_\_\_\_

**Step Three: Multiply the value by 100** \_\_\_\_\_ x 100 = \_\_\_\_\_

Therefore, the population of males increased by \_\_\_\_\_% between 2010 and 2019.

**Math: Reading an Infographic**

Info source: [www.census.gov/newsroom/facts-for-features/2021/womens-history-month.html](http://www.census.gov/newsroom/facts-for-features/2021/womens-history-month.html)



Use the infographic to answer the following questions:

1. What are the two occupations where women’s participation decreased between 2000-2019?
2. What are the two occupations where women’s participation increased the least between 2000-2019?
3. What is the occupation where women’s participation increased the most between 2000-2019?

**Discussion:** Why do we keep track of these percentages? What can these numbers tell us about our society?