

A *New York Times* poll on women's issues interviewed 1025 women randomly selected from the United States, excluding Alaska and Hawaii. The poll found that 47% of the women said they do not get enough time for themselves.

1. The poll announced a margin of error of ± 3 percentage points for 95% confidence in its conclusions. Do you agree with this margin of error? If so, explain why. If not, tell why not.
2. What is the 95% confidence interval from this poll result? Interpret the interval in context.
3. What conditions must be met in order for the confidence interval in Question 2 to be valid? Check whether each of those conditions is satisfied in this case.
4. Explain to someone who knows no statistics why we can't just say that 47% of all adult women do not get enough time for themselves.
5. Explain clearly what "95% confidence" means.