1- PROPORTION Z-INTERVAL

This test is used to construct a confidence interval for a population proportion (p)
using a sample proportion ($\hat{p}$)

The Gallup Youth Survey asked a random sample of 439 U.S. teens aged 13 to 17 whether they thought young people should wait to have sex until marriage. Of the sample, 246 said "Yes".

Construct and interpret a 95% confidence interval for the proportion of all teens who would say "Yes" to this question.

P)   IDENTIFY POPULATION PARAMETER:

A)   VERIFY CONDITIONS REQUIRED FOR TEST:

    a)   Random:

    b)   Normal Sampling Distribution:

    c)   Independent:

I)   **CONSTRUCT INTERVAL**

      a)   **USE *t* DISTRIBUTION TABLE:**

      b)   **USE CALCULATOR:**

S)   **STATE CONCLUSION:**