

$$\hat{p} = \underline{\quad}\% \quad \alpha = \underline{\quad}\% \quad n = \underline{\quad}$$

Population _____

Focus Proportion _____

Step I Identify Procedure:

We want to estimate the proportion of _____ in the population of _____ (_____).

Step II Check Conditions:

* _____: A _____ was conducted to insure every member of the population was equally likely to be selected.

* _____ Sampling Distribution: The sampling distribution of all possible sample proportions has an approximately _____ shape because:

$$n * \underline{\quad} > \underline{\quad} \quad n * (1 - \underline{\quad}) > \underline{\quad}$$

$$\underline{\quad} * \underline{\quad} > \underline{\quad} \quad \underline{\quad} * \underline{\quad} > \underline{\quad}$$

* _____: The lack of replacement is not a problem in this case because the number of subjects in the population is more than _____ times the sample size.

Step III Perform Procedure:

Estimate

_____%

Margin of Error

_____%

_____ % Confidence Interval Ranges From _____ % to _____ %

Step IV Interpretation:

We are _____ % confident that the the proportion of _____ in the population of _____ (_____) falls between _____ % and _____ %.