

## CHAPTER 11: UNDERSTANDING RANDOMNESS

Simulation: Sequence of \_\_\_\_\_ that model a situation. You will use random numbers that correspond to the true real-world relative frequencies we are trying to model.

Component: The most \_\_\_\_\_ in a simulation that has a random outcome. The individual result of a component is its \_\_\_\_\_.

Trial: The sequence of several \_\_\_\_\_ representing real events that we pretend will take place. During each trial, the results recorded are the values of the \_\_\_\_\_

### Steps to Follow When Working With Random Problems

- **Components**: Identify all components and state how you will model the random occurrence of an outcome
- **Trial**: Define a trial. *Be sure NOT to use repeated numbers – if the situation calls for it.*
- **Response Variable**: Define your response variable.
- **Statistic**: Identify what statistic you will use to identify if the problem is random

