Chapter 6 Learning Targets

* I can interpret probability as a long-run relative frequency.
* I understand the Law of Large Numbers.
* I understand that probability values range from 0 to 1 and that 0 and 1 both have a specific meaning.
* I can design and carry out a simulation to model chance behavior using various methods including the random integer generator, the simulation app, and the table of random digits.
* I can list the sample space for a process and describe an appropriate probability model.
* I understand the term equally likely.
* I can calculate the complement of an event.
* I understand mutually exclusive events and can use the addition rule.
* I can create and use a Venn diagram.
* I can use the general addition rule to calculate P(A $∪$ B).
* I can create and use a tree diagram to model chance behavior and calculate probabilities.
* I can calculate “at least one” probabilities.
* I can compute conditional probabilities.
* I can use the general multiplication rule to calculate P(A $∩B) $.
* I can create a two-way table and use it to calculate probabilities.
* I can determine if two events are independent.