***The Wink Game***

**![wink[1]]()![wink[1]]()![wink[1]]()**

****

**Suppose a cup contains an equal number of dots and dashes. Use an organized list, table, and/or tree diagram to find the probabilities of the events “Wink”, “Blink”, and “Stare”.**

**How do these probabilities compare to the observed frequencies from the simulation?**

***Questions to think about …***

* ***What would happen to these probabilities if the contents of the cup changed? What if more chips were added, but there were still equal numbers of dots and dashes? What if there were more dots than dashes or more dashes than dots?***
* ***What would happen to these probabilities if we picked two chips from the cup simultaneously (rather than one at a time with replacement)?***