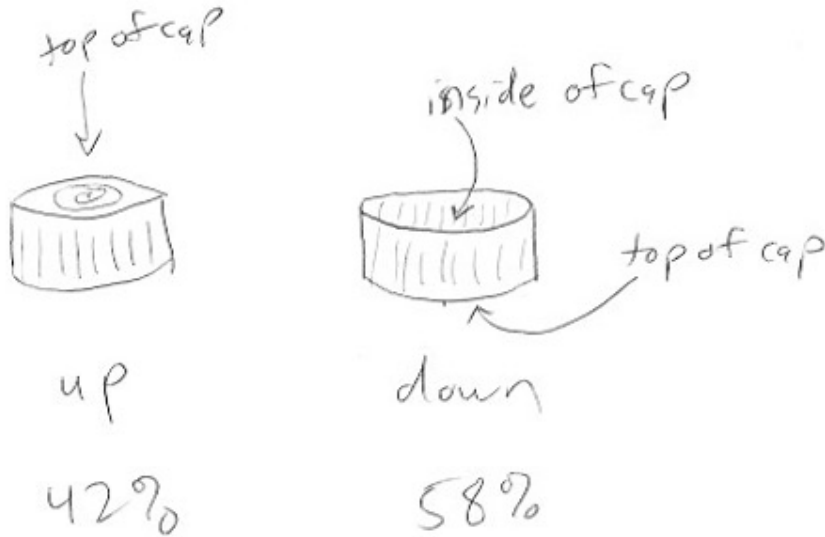## Sample Problems

A plastic-bottle cap has a 58% chance of landing top-side-down and a 42% chance of landing top-side-up when flipped.

a) If it is flipped 10 times, what is the probability that it will land top-side-down 6 or more times?

b) If it is flipped 1000 times, what is the probability that it will land top-side-down 600 or more times?