

## Collaborators:

You must submit your worksheet individually by end-of-class or end-of-day. Your name must exist in your worksheet and the names of your collaborators.

## Computing Probabilities

A coin is flipped *four* times in a sequence.

- a. List all possible outcomes.
- b. Count the number of  $\mathcal{T}$ s in each outcome in Part (i).
- c. Compute the probabilities of each possible number of  $\mathcal{T}$ .

A six-sided dice is rolled *twice* in a sequence.

- ## References

1. Speegle, Darrin and Clair, Bryan (2021) [Probability, statistics, and data: A fresh approach using r](#), Chapman; Hall/CRC.
2. Diez DM, Barr CD, Çetinkaya-Rundel M (2012) [OpenIntro statistics](#), OpenIntro.