

Math 262

Introduction to Probability

Day 1

First, introduce yourself to your group members. Find out something interesting about each group member.

Then discuss the following questions with your group. You may record ideas on paper, or in a shared document (such as a Google Doc or Google Jamboard).

1. How would you define *probability*? Think of your own definition. Then discuss with your group members.
2. What is the probability that a standard six-sided die will roll a 1? *Why?* What sort of principles could you use to justify your answer?
3. What does it mean when the weather forecast says “The chance of snow today is 65%”? How do you think the forecasters arrived at this number?
4. What does it mean when a website says that the Dodgers have a 26% chance of winning the World Series? How do you think they arrived at this number?
5. What is a *fair* coin? How would you determine whether a coin is fair?