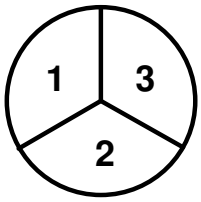
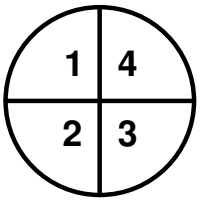
Probability Assn

1. A. Consider the situation where you spin both of these spinners, and add the numbers you get:

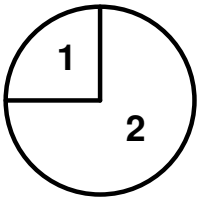


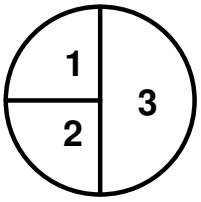


Make a table, and find the theoretical probability of spinning each of the possible sums.

B. For the same two spinners, consider the situation where you spin first the spinner on the left, and then the spinner on the right, and add the two numbers you get. Make a tree diagram, and use it to find the theoretical probability of spinning each of the possible sums.

2. A and B. Do the same things you did for #1, but use this pair of spinners:





3. I have a 10-sided die and a 6-sided die. If I toss them both, what is the probability that I will get:

a. a sum that is at least 12?
b. a sum that is over 10?
c. a sum that is equal to 10?
d. doubles?

4. I have two funny spotted 6-sided dice. Die A has the numbers: 1, 1, 3, 3, 5, 6 and die B has the numbers 2, 2, 2, 4, 4, 4.

a. Which die (if any) will be larger most often?
b. What is the probability that the first die will be bigger than the second?