

First Nations Dice Game

1. Use a set of 4 stick “dice” for this activity. Two of them are the “male” dice and the other two are the “female” dice.
2. Take turns throwing the dice. You can keep throwing the dice as long as you are earning points. When you earn a “0” on a throw, your turn is over and the next player gets their turn.
3. Points are scored as follows:
 - All marked sides up or down: 2 points
 - Both male sides up and both female sides down: 1 point
 - Both female sides up and both male sides down: 1 point
 - Any other combination: 0 points
4. Play the game with a friend. The winner is the first person to get 10 points.
5. Think about the game you played. Which outcomes appear to be the most frequent? Why do you think this is so?
6. Play the game again. This time use tally marks to record your results in the chart below.

Player	4 marked sides up	4 marked sides down	2 male up, 2 female down	2 female up, 2 male down	Other	Total
Total						

7. Look at the data in your chart. How often did you get:

- a. All 4 marked sides up
- b. All 4 marked sides down
- c. 2 male up and 2 female down
- d. 2 female up and 2 male down
- e. Any other outcome

8. Think about the possible outcomes when you toss the stick dice.
Predict the chance of getting:

- a. 2 points on a toss:
- b. 1 point on a toss:
- c. 0 points

9. How do you know these would be the probabilities?