

Is This Fair?

1. Here are some games:

- The Flipper flips 3 coins. If exactly 2 are the same, then the Flipper wins, and otherwise they lose.
- The Flipper flips 4 coins. If exactly 2 are the same, then the Flipper wins, and otherwise they lose.

Are these games fair?

2. Design rules for a fair game for flipping 5 coins.

3. Design rules for a fair game for flipping 6 coins.

4. Design a fair game using any objects you want—for example, coins, spinners, or number cubes. Explain how you know your game is fair.

Is This Fair?

1. Here are some games:
 - The Flipper flips 3 coins. If there are more heads than tails, then the Flipper wins, and otherwise they lose.
 - The Flipper flips 4 coins. If exactly 2 are the same, then the Flipper wins, and otherwise they lose.
 - a. One of the games is fair and the other one is not. Which one is fair?
 - b. For the game that isn't fair, change the rules to make it fair.
2. Design rules for a fair game for flipping 5 coins.
3. Design rules for a fair game that involves rolling two number cubes.