

Probability	2	3	4	5	6
2	X	5	6	7	8
3	5	X	7	8	9
4	6	7	X	9	10
5	7	8	9	X	11
6	8	9	10	11	X

We can see if we count the odds and evens, we get the ratio of 12:8. It also can be cancelled down to 3:2 like the first method. The X's simply mean that it is not applicable because you can't get the same ball more than once.

The game is unfair so you have a more likely chance to lose than to win.