

There are 4 red, 3 green, 1 blue, and 2 yellow marbles in a bag.

1. Find the probability of picking a green followed by a red with replacement. (the first marble is put back)
2. Find the probability of picking a green followed by a red without replacement. (the first marble isn't put back)
3. Find the probability of picking a yellow followed by a yellow with replacement.
4. Find the probability of picking a yellow followed by a yellow without replacement.