

Quiz: Independent Events

1. What is the probability that a randomly selected 1 to 20 number is divisible by 2 and then divisible by 11 after replacing first?
2. Two cards are chosen at random from a deck. What is the probability of getting a diamond and a black jack without replacement?
3. A bottle contains 15 marbles: 5 are white, 7 are red and 3 are blue. What is the probability for picking a white and then a red marble without replacing first?
4. If two dice are rolled sequentially. What is the probability that first die show five and other die shows an even number?
5. Two cards are chosen at random from a deck. What is the probability of getting a red ace and then a black queen without replacement?
6. Two integers are selected at random from integers 1 through 12. Find the probability that the first number is even and the second number has 1 in it after replacing first.
7. A bag contains 5 black balls and 6 green balls. If two balls are picked at random one after the other without replacement, what is the probability that the first ball is black and then green?
8. In a file, there are 5 Math papers, 3 Geography papers, and 6 English papers. If you select two papers at random, what is the probability of getting English then a Geography paper from the file without replacing first paper?
9. A hat contains 5 black cards, 6 red cards and 7 green cards. What is the probability of drawing first black card and then a red card without replacement?
10. In a group there are 13 boys and 16 girls. If two students are chosen, what is the probability of choosing two girls sequentially?

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%