

Name: _____

Date _____

Topic : Independent Events- Worksheet 4

1. What is the probability that a randomly selected number from 15 to 42 is divisible by 9 and then divisible by 25 after replacing first?
2. Cards are chosen at random from a deck. What is the probability of getting a diamond?
3. A Packet contains 23 shapes: 8 are cube, 7 are square and 8 are sphere. What is the probability of picking a cube and then a sphere shape without replacing first?
4. If five dice are rolled sequentially. What is the probability that first die & second die show two & four and other die shows an odd number?
5. Two cards are chosen at random from a deck. What is the probability of getting a red Ace and then a black jack of diamonds without replacement?
6. One integer is selected at random from integers 8 through 33. Find the probability that the number is odd.
7. A bucket contains 21 pink covers and 16 purple covers. If two covers are picked at random one after the other with replacement, what is the probability that the first cover is pink and then purple?
8. In a file, there are 11 chemistry papers, 9 Hindi papers, and 6 Civics papers. If you select two papers at random, what is the probability of getting Hindi then a Civics paper from the file without replacing first paper?
9. A box contains 22 red bows, 19 pink bows and 11 saffron bows. What is the probability of drawing a red bow first and then a saffron bow with replacement?
10. In a group there are 6 coaches and 19 players. If three players are chosen, what is the probability of choosing three players sequentially?

