

1. A card is drawn at random from a well-shuffled pack of 52 playing cards.
Find the probability of getting neither a red card nor a queen.
2. There are 100 cards in a bag on which numbers from 1 to 100 are written.
A card is taken out from the bag at ran dom. Find the probability that
the number on the selected card
 - (a) is divisible by 9 and is a perfect square.
 - (b) is a prime number greater than 80.