

## Year 11 Probability Worksheet



1. An ordinary die is thrown. Find the probability that an even number is shown.
2. A pair of dice is thrown. What is the probability that they show a total of 2?
3. In a raffle, 1000 tickets are sold and there are ten prizes. What is the probability that someone buying 2 tickets wins a prize?
4. A card is drawn randomly from a standard pack of 52 cards. What is the probability that it is a king?
5. A box contains tickets numbered 1 to 100. What is the probability that a ticket selected at random will have number with a tens digit of 5?
6. Find the probability of getting 2 Heads when two fair coins are tossed?
7. 5 red balls and 6 black balls are in a bag. Find the probability that in two draws a red ball and a black ball are chosen. No replacement of balls is done after a draw.
8. A card is picked up at random from a pack of 52 cards. Find the probability that it is a king or queen.
9. Two integers are randomly selected from sets below, one integer from set A and one integer from set B.  $A = \{5,6,7,8,9\}$ ,  $B = \{3,4,5,6\}$ . What is the probability that the sum of two integers will equal 9?