

# 15 Maths PROBABILITY

Grade - 10

Practice Worksheet

## Very short answer

1. If X and Y are two complementary events, find  $P(X) + P(Y)$
2. Write expression for probability
3. What is the Probability of a sure event?
4. If  $P(E) = 0.25$ , find  $P(\text{not } E)$
5. What is the probability of an impossible event?

## Short answer

1. What is the probability that two friends have same birthday?
2. A bag contains 200 pens out of which 40 are defective. A pen is drawn at random from the bag, find the probability that it is defective.
3. If probability of winning a game is 0.75, what is the probability of losing it?
4. A bag contains 7 red marbles, 6 white marbles and 5 yellow marbles. A marble is taken out from the bag randomly without looking into it, find the probability that it is a white marble.
5. A letter from the word ACQUIRE is selected, find the probability that is a vowel.
6. A dice is thrown once, find probability of getting an even number.
7. If a coin is tossed once, find probability of getting a tail.
8. A coin is tossed once. Find the probability of getting a head.

## Long answer

1. Two dices are rolled simultaneously. Find probability of getting a doublet.
2. Find probability of getting 53 Saturdays in a year.
3. Three coins are tossed together. Find probability of getting 2 heads.
4. A bag contains 5 black balls, 4 red balls and 3 blue balls. A ball is drawn at random from the bag, without looking in the bag, find the probability that it is a blue ball.
5. Find probability of 5 Tuesdays in month of January.
6. A card is drawn at random from a well shuffled pack of 52 cards. Find the probability that it is

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## Practice Worksheet

not a face card.

7. A dice is rolled once. Find probability of getting a prime number.
8. Two coins are tossed. Find probability of getting at least one tail.