

YugVanta

Class 10 Maths Part 1

5. Probability

SET A (Easy Level | Maharashtra Board)

1. A coin is tossed three times. What is the probability of getting exactly two heads?
2. A bag contains 4 red, 3 green, and 5 blue balls. One ball is picked at random. What is the probability that the selected ball is not green?
3. A number is selected at random from 1 to 50. What is the probability that the number is a multiple of 4?
4. A student randomly answers a multiple-choice question with 4 options. What is the probability that the answer is correct?
5. From a group of 20 students, 5 are left-handed. One student is selected at random. What is the probability that the student is right-handed?
6. A bag contains 2 white, 3 black, and 4 red balls. Two balls are drawn at random without replacement. What is the probability that both are red?
7. A number is chosen randomly from the first 30 natural numbers. What is the probability that it is a square number?
8. A deck of 52 cards is shuffled. What is the probability of drawing a card that is neither a king nor a queen?
9. An unbiased die is thrown. What is the probability of getting a number divisible by 3?
10. A drawer has 6 black socks, 4 white socks, and 2 blue socks. One sock is drawn at random. What is the probability that it is not white?
11. A card is drawn from a well-shuffled deck of 52 cards. Find the probability of getting a red face card.
12. A bag contains 7 red balls and 3 green balls. Two balls are drawn at random without replacement. Find the probability that one is red and one is green.
13. A number is selected at random from the first 60 natural numbers. What is the probability that it is divisible by 6 or 10?
14. A student is selected at random from a class of 40 students, where 16 are girls. What is the probability of selecting a boy?
15. A die is thrown twice. What is the probability that the product of the numbers is even?
16. Two cards are drawn simultaneously from a deck of 52 cards. What is the probability that both are aces?
17. A card is drawn from a deck. What is the probability of getting a spade or a number less than 5?

YugVanta

Class 10 Maths Part 1

5. Probability

SET A (Easy Level | Maharashtra Board)

18. In a box, there are 5 pens, 4 pencils, and 3 erasers. One item is picked at random. What is the probability that it is either a pencil or an eraser?
19. A fair coin is tossed four times. What is the probability of getting at least one head?
20. A box contains 6 blue, 3 green, and 5 yellow balls. Two balls are drawn at random with replacement. What is the probability that both are blue?