MCQs on Chapter 7: The Mathematics of Maybe: Introduction to Probability for Class 9 Maths

1. The probability of any event always lies between:
(a) 1 and 2
(b) 1 and 10
(c) 0 and 1
(d) 0 and 5
2. If P(E) = 0.38, then the probability of event E not occurring is:
(a) 0.62
(b) 0.38
(c) 0.48
(d) 1
3. A die is thrown once. What is the probability of getting a number 3 or 4?
(a) 1/6
(b) 2/3
(c) 1/2
(d) 1/3
4. A die is thrown. What is the probability of getting an odd number less than 4?
(a) 1/6
(b) 1/2
(c) 1/3
(d) 0
5. If two coins are tossed simultaneously, what is the probability of getting exactly two tails?
(a) 1/4
(b) 1/2
(c) 1/3
(d) 3/4
6. The probability of drawing an ace from a well-shuffled deck of 52 cards is:
(a) 1/52
(b) 1/26
(c) 4/13

(d) 1/13

7. There are 4 green balls and 2 red balls in a basket. What is the probability of picking a red ball?

(a) 1/2

(b) 1/3

(c) 1/5

(d) 1/6

8. A bag contains 16 cards bearing numbers 1 to 16. One card is drawn at random. What is the probability that the number on it is divisible by 3?

(a) 3/16

(b) 5/16

(c) 11/16

(d) 13/16

9. A batsman hits boundaries 6 times out of 30 balls. What is the probability that he did NOT hit a boundary on any given ball?

(a) 1/5

(b) 2/5

(c) 3/5

(d) 4/5

10. There are 50 tickets numbered 1 to 50 in a box. What is the probability of drawing a ticket bearing a prime number?

(a) 2/5

(b) 3/10

(c) 1/5

(d) 7/50

11. A piggy bank contains 50 coins of ₹1, 20 coins of ₹2, and 30 coins of ₹5. If a coin is drawn at random, what is the probability that it is not a ₹5 coin?

(a) 3/10

(b) 1/2

(c) 7/10

(d) 2/5

12. In a medical examination of 2000 people, 1200 had normal blood pressure. If a person is selected at random, what is the probability that the person does NOT have normal blood pressure?

(a) 3/5

(b) 1/3
(c) 2/5
(d) 1/4

13. In a school, 5 students out of every 25 students were found to be left-handed. What is the probability that a randomly chosen student is right-handed?
(a) 1/5
(b) 1/4
(c) 3/4
(d) 4/5

14. What is the probability of drawing a queen from a deck of 52 cards?
(a) 1/26
(b) 1/52
(c) 1/13
(d) 3/52

15. Performing an experiment once is called:
(a) Sample
(b) Trial
(c) Error
(d) Event

Answer Key:

1 - c, 2 - a, 3 - d, 4 - c, 5 - a, 6 - d, 7 - b, 8 - b, 9 - d,
10 - b, 11 - c, 12 - c, 13 - d, 14 - c, 15 - b