

MCQ Questions for Class 10 Maths Chapter 15: Probability with Answers

1. What is the probability of getting a head when a coin is tossed?

- A) 0
- B) 1
- C) $1/2$
- D) 2

Answer: C) $1/2$

2. What is the probability of getting a tail on a coin toss?

- A) $1/2$
- B) 1
- C) 0
- D) 2

Answer: A) $1/2$

3. How many outcomes are possible when rolling a die?

- A) 4
- B) 5
- C) 6
- D) 8

Answer: C) 6

4. What is the probability of getting number 3 on a die?

- A) $1/3$
- B) $1/6$
- C) $1/2$
- D) $2/3$

Answer: B) $\frac{1}{6}$

5. What is the probability of getting an even number on a die?

- A) $\frac{1}{6}$
- B) $\frac{1}{3}$
- C) $\frac{1}{2}$
- D) $\frac{2}{3}$

Answer: C) $\frac{1}{2}$

6. What is the probability of getting an odd number on a die?

- A) $\frac{1}{2}$
- B) $\frac{1}{3}$
- C) $\frac{1}{6}$
- D) $\frac{2}{3}$

Answer: A) $\frac{1}{2}$

7. What is the probability of getting a prime number on a die?

- A) $\frac{1}{2}$
- B) $\frac{1}{3}$
- C) $\frac{2}{3}$
- D) $\frac{1}{6}$

Answer: A) $\frac{1}{2}$

8. Which of the following is a sure event?

- A) Sun rises in the east
- B) Getting 8 on a die
- C) Tossing a tail always
- D) Snowfall in desert daily

Answer: A) Sun rises in the east

9. Which of the following is an impossible event?

- A) Getting 7 on a die

- B) Getting head on coin toss
- C) Getting even number on die
- D) Drawing a card

Answer: A) Getting 7 on a die

10. Probability always lies between:

- A) 1 and 10
- B) -1 and 1
- C) 0 and 1
- D) 0 and 10

Answer: C) 0 and 1

11. What is the probability of drawing a king from a deck of 52 cards?

- A) $1/13$
- B) $1/4$
- C) $4/13$
- D) $1/52$

Answer: A) $1/13$

12. How many kings are there in a deck of cards?

- A) 2
- B) 3
- C) 4
- D) 5

Answer: C) 4

13. What is the probability of drawing a queen from a deck?

- A) $1/13$
- B) $1/4$
- C) $1/52$
- D) $4/13$

Answer: A) $1/13$

14. What is the probability of drawing a red card?

- A) $1/4$
- B) $1/2$
- C) $1/13$
- D) $2/3$

Answer: B) $1/2$

15. Total number of cards in a standard deck is:

- A) 48
- B) 50
- C) 52
- D) 54

Answer: C) 52

16. What is the probability of getting a multiple of 3 on a die?

- A) $1/6$
- B) $1/3$
- C) $1/2$
- D) $2/3$

Answer: B) $1/3$

17. What is the probability of getting a number greater than 4 on a die?

- A) $1/6$
- B) $1/3$
- C) $1/2$
- D) $2/3$

Answer: B) $1/3$

18. What is the probability of getting a black card?

- A) $1/2$

B) $\frac{1}{3}$

C) $\frac{1}{4}$

D) $\frac{2}{3}$

Answer: A) $\frac{1}{2}$

19. What is the probability of getting an ace from a deck?

A) $\frac{1}{13}$

B) $\frac{1}{4}$

C) $\frac{4}{13}$

D) $\frac{1}{52}$

Answer: A) $\frac{1}{13}$

20. Experimental probability is based on:

A) Formula only

B) Observation

C) Guess

D) Assumption

Answer: B) Observation

21. Theoretical probability is based on:

A) Experiments only

B) Mathematical calculation

C) Guessing

D) Observation only

Answer: B) Mathematical calculation

22. Probability of an impossible event is:

A) 1

B) 0

C) 2

D) -1

Answer: B) 0

23. Probability of a sure event is:

- A) 0
- B) $\frac{1}{2}$
- C) 1
- D) 2

Answer: C) 1

24. What is the complement of probability?

- A) $P(E)$
- B) $1 - P(E)$
- C) $P(E)+1$
- D) $P(E)-1$

Answer: B) $1 - P(E)$

25. What is the probability of getting a vowel from the word "MATHS"?

- A) $\frac{1}{5}$
- B) $\frac{2}{5}$
- C) $\frac{3}{5}$
- D) $\frac{4}{5}$

Answer: A) $\frac{1}{5}$

