Probability Quiz

 1. The probability of an impossible event is: A. 0 B. 0.5 C. 1 D. Undefined
 2. The sum of the probabilities of all the elementary events of an experiment is: A. 0 B. Less than 1 C. 1 D. More than 1
3. If two coins are tossed simultaneously, the probability of getting at least one head is: A. 1/4 B. 1/2 C. 3/4 D. 1
 4. In a single throw of a die, the probability of getting a prime number is: A. 1/2 B. 1/3 C. 1/6 D. 2/3
5. An event having only one outcome of a random experiment is called a(n):A. Compound eventB. Impossible eventC. Simple eventD. Sure event
 6. Two events A and B are mutually exclusive if: A. P(A) + P(B) = 1 B. P(A) + P(B) > 1 C. P(A ∩ B) = 0 D. P(A ∩ B) > 0
7. The probability of an event that is certain to happen is: A. 0 B. 0.5 C. 1 D. Undefined
8. The odds in favor of an event A are 3:2. What is the probability of A? A. 3/5 B. 2/3 C. 2/5 D. 5/3
 9. If P(E) represents the probability of an event E, then 0 ≤ P(E) ≤ 1. This is known as: A. Probability axiom B. Probability theorem C. Probability range D. Probability law

10. The probability of getting a number greater than 4 in a single roll of a six-sided die is:

A. 1/3 B. 1/2 C. 1/6 D. 2/3
11. If the probability of winning a game is 0.09, what is the probability of losing the game?A. 0.91B. 0.09C. 0.81D. 1.00
 12. A bag contains 5 red balls and 7 green balls. What is the probability of drawing a green ball? A. 5/12 B. 7/12 C. 7/5 D. 12/7
 13. When two dice are rolled, what is the probability of getting a sum of 9? A. 1/9 B. 1/6 C. 4/36 D. 1/12
 14. A card is drawn at random from a standard deck of 52 cards. What is the probability that the card is a queen? A. 1/13 B. 1/12 C. 4/52 D. 1/4
 15. An event E is independent of itself if and only if P(E) is: A. 0 or 1 B. Exactly 1/2 C. Less than 1/2 D. More than 1/2
16. A jar contains 3 red, 2 blue, and 5 green marbles. If a marble is drawn at random, what is the probability that it is not green? A. 2/5 B. 1/2 C. 5/10 D. 3/5
 17. If events A and B are independent, the probability of both events occurring is given by: A. P(A) + P(B) B. P(A) - P(B) C. P(A) × P(B) D. P(A) / P(B)
18. In a batch of 8 batteries, 3 are defective. If one battery is chosen at random, what is the probability it is not defective? A. 5/8 B. 3/8 C. 3/5 D. 8/5
19. The probability

A. 26/52
B. 28/52
C. 2/52
D. 4/52
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20. A bag contains 4 white, 5 red, and 6 black balls. A ball is drawn at random. What is the probability that it is either
red or black?
A. 5/15
B. 9/15
C. 11/15
D. 6/15
Probability Quiz Answer Key
1. A
2. C
3. C
4. A
5. C
6. C
7. C
8. A
9. A
10. A
11. A
12. B
13. C
14. A
15. A
16. D
17. C
18. A
19. B
20. C
And that completes the quiz set for the "Probability" chapter. If you need further assistance or more quizzes, feel free to ask!

of selecting a red card or a king from a standard deck of cards is: