

Probability of Multiple Events Assignment

Find the probability in each question.

1. What is the probability of getting heads if a fair coin is tossed?

2. A fair dice is rolled. What is the probability that a number divisible by 3 is rolled?

3. A card is drawn from a deck at random. What is the probability that the card drawn is of diamond?

4. There are 7 white marbles, 12 black marbles and 5 red marbles in a box. If a marble is picked at random, what is the probability that the marble picked is black?

5. There are 8 numbers on a spin-wheel. Each number has a gift associated with it. If the wheel is spun, what is the probability that the number the wheel lands on is a prime number?

6. A fair coin is tossed twice. What is the probability that tails shows twice?

7. A card is drawn at random from a deck. What is the probability that the card drawn is an ace?

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8. A fair dice is rolled twice. What is the probability that the sum of both numbers is 11?

9. A dice is rolled and a card is drawn from a deck. What is the probability that an even number shows on the dice and a king is drawn from the deck?

10. A dice is rolled. What is the probability that a prime number shows or an odd number shows?

11. There are 11 red balloons, 5 white balloons and 4 green balloons in a drum. A balloon is picked at random and the same colored balloon is replaced before drawing another balloon from the drum. What is the probability that the first balloon drawn is white and the second balloon drawn is green?

12. Two cards are drawn from a deck. After the first card is drawn, the card is not replaced before next drawing of a card. What is the probability that the first card is a face card and the second card is a king?

13. A fair coin is tossed thrice. What is the probability that three tails does not come?
