



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



Sub: Arithmetic
Duration: 40 Min

Class: 7
Worksheet Solution 02
Chance and Probability

Date: 09.11.20
Full Marks: 15

Choose the correct options:

1. A coin is tossed. What is the probability of getting tail?
 - a. 0
 - b. 1
 - c. $\frac{1}{2}$**
 - d. 2
2. What is the probability of drawing a Joker from a pack of cards?
 - a. $\frac{1}{52}$
 - b. $\frac{1}{26}$
 - c. $\frac{1}{13}$**
 - d. $\frac{3}{52}$
3. What is the probability of drawing a black card from a pack of cards?
 - a. $\frac{1}{26}$
 - b. $\frac{1}{2}$**
 - c. $\frac{1}{52}$
 - d. $\frac{1}{13}$
4. There are 8 yellow balls, 6 red balls and 6 blue balls in a sack. What is the probability that a ball drawn at random is red?
 - a. 0.30**
 - b. 0.40
 - c. 0.60
 - d. 0.80
5. There are 15 boxes on a shelf and five of them contain a prize. What is the probability of one selecting a prize at random?
 - a. $\frac{1}{5}$
 - b. $\frac{1}{3}$**
 - c. $\frac{1}{15}$
 - d. $\frac{3}{5}$
6. Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 3 or 5?
 - a. $\frac{1}{2}$
 - b. $\frac{2}{5}$
 - c. $\frac{8}{15}$
 - d. $\frac{9}{20}$**
7. A bag contains 2 red, 3 green and 2 blue balls. A ball is drawn at random. What is the probability that the ball drawn is not blue?
 - a. $\frac{10}{21}$
 - b. $\frac{11}{21}$
 - c. $\frac{2}{7}$
 - d. $\frac{5}{7}$**
8. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither red nor green?
 - a. $\frac{1}{3}$**
 - b. $\frac{3}{4}$
 - c. $\frac{7}{19}$
 - d. $\frac{3}{7}$

9. What is the probability of getting a sum 9 from two throws of a dice?
- $1/6$
 - $1/9$**
 - $1/8$
 - $1/12$
10. Three unbiased coins are tossed. What is the probability of getting at most two heads?
- $3/4$
 - $1/4$
 - $3/8$
 - $7/8$**
11. Two dice are thrown simultaneously. What is the probability of getting two numbers whose product is even?
- $1/2$
 - $3/4$**
 - $3/8$
 - $5/16$
12. In a lottery, there are 10 prizes and 25 blanks. A lottery is drawn at random. What is the probability of getting a prize?
- $1/10$
 - $2/5$
 - $2/7$**
 - $5/7$
13. Two dice are tossed. The probability that the total score is a prime number is:
- $1/6$
 - $5/12$**
 - $1/2$
 - $7/9$
14. A card is drawn from a pack of 52 cards. The probability of getting a queen of club or a king of heart is:
- $1/52$
 - $1/26$**
 - $1/13$
 - $3/52$
15. One card is drawn at random from a pack of 52 cards. What is the probability that the card drawn is a face card (Jack, Queen and King only)?
- $1/13$
 - $3/13$**
 - $1/4$
 - $9/52$