ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

Sub: Arithmetic   **Class: 7**   **Date: 07.11.20**
Duration: 40 Min   **Worksheet Solution 01**   **Full Marks: 15**
Chance and Probability

Choose the correct options:

1. The probability of getting a multiple of 5 if a two digit number is written down at random is
   - **a. 1/5**
   - b. 2/5
   - c. 3/5
   - d. 4/5

2. A bag contains 15 balls of which 6 are red, the probability of getting a red ball at random from the bag is
   - a. 1 2/3
   - **b. 2/5**
   - c. 2 1/2
   - d. 1/3

3. The probability of getting an even number if a card is drawn from a box containing 12 identical cards numbered 1, 2, 3, ...,12 is
   - **a. 1/2**
   - b. 1/3
   - c. 1/4
   - d. 1/6

4. The probability of getting a red ace if a card is drawn at random from pack of 52 cards is
   - a. 1/52
   - **b. 1/26**
   - c. 1/13
   - d. 3/52

5. A coin is tossed. What is the probability of getting head?
   - a. 0
   - b. 1
   - **c. 1/2**
   - d. 2

6. The probability of being chosen for a team is 9%. This event can be described as
   - a. likely
   - b. certain
   - c. having an even chance
   - **d. unlikely**

7. It willl be a Thursday in one of the next seven days. The event is
   - a. likely
   - b. unlikely
   - **c. certain**
   - d. having an even chance

8. Ashita has 20 movies in her video collection and 5 of the movies feature her favourite actor. If she randomly chooses a movie, what is the probability that she will choose one featuring her favourite actor?
   - a. 1/5
   - **b. 1/4**
   - c. 3/4

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d. 3/5

9. A card is drawn from a pack of 100 cards numbered 1 to 100. Find the probability of drawing a square number.
    a. 1/10
    b. 9/10
    c. 1/5
    d. 2/5

10. During a class survey, it was found out that cheese pizza is the favourite snack for 30 out of 40 students. What percent is closest to the probability that a student's favourite snack is cheese pizza?
    a. 50%
    b. 60%
    c. 75%
    d. 80%

11. Tickets numbered 1 to 20 are shuffled. What is the probability that a ticket drawn at random bears a number that is a multiple of 4
    a. 1/5
    b. 1/4
    c. 1/3
    d. 2/7

12. Six of 24 students in a class are left handed. Write the probability of randomly selecting a left handed student as a decimal.
    a. 0.30
    b. 0.24
    c. 0.25
    d. 0.40

13. The probability that Sanchit will draw a vowel card from five cards bearing the letters a,e,i, o and u is _____
    a. 0
    b. 1
    c. 1/2
    d. 3/4

14. The probability of rolling a number greater than 4 with a die is
    a. 2/3
    b. 3/4
    c. 1/4
    d. 1/3

15. Sonal spins a spinner that is split into 8 equal parts. The parts are coloured blue, green, red, green, blue, red, red, red. The probability of the needle of the spinner landing on blue colour is
    a. 1/2
    b. 1/8
    c. 1/4
    d. 3/4