MATHEMATICS WORKSHEET

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BOARD – ICSE	CLASS –7	TOPIC – PROBABILITY

1. A survey was taken on 30 classes at a school to find the total number of left-handed students in each class. The table below shows the results: No. of left-handed students 0 1 2 3 4 5 Frequency (no. of classes) 1 2 5 12 8 2 A class was selected at random. Find the probability that the class has 2 left-handed students.

2. A coin is tossed 100 times in which head is obtained 40 times. On tossing the coin at random. find the probability of getting head and tail.

3. A dice is thrown 200 times and the outcomes are noted as shown below. Outcome 1 2 3 4 5 6 Frequency 20 40 30 40 20 50 Find the probability of getting 3 as outcome.

4. A dice is thrown 200 times and the outcomes are recorded as shown in given table: Outcomes 1 2 3 4 5 6 Frequency 20 50 30 60 20 20 A class was selected at random. Find the probability of getting an odd number.

5. In a survey of 200 boys it was found that 85 like chocolates while 115 dislike it. Out of these boys, one boy is chosen randomly. What is probability that the chosen boy likes chocolates?

6. In a cricket match, a batsman hits a boundary 6 times out of 90 balls he plays. Find the probability that he hits a boundary.

7. A bag has 12 balls colored yellow, blue, green and red. The number of balls of each colour is the same. A ball is drawn from the bag. Calculate the probability of drawing a yellow ball, a blue ball, a green ball and a red ball.

8. There are m boys and 12 girls in class. What is the probability of selecting a girl at random from the class?

9. The table below gives the marks scored by a group of students in a test. Use the table to answer the Question

Mark	0	1	2	3	4	5
Frequency	1	2	7	5	4	3

What is the probability of selecting a student from the group that scored 2 or 3?

10. What is the probability of having an odd number in a single toss of a fair die?

11. The table below gives the scores of a group of students in an English language test.

Score	2	3	4	5	6	7
No. Students	2	4	7	2	3	2

If a student is chosen at random from the group, what is the probability that he/she scored at least 6 marks.

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