

CLASS 9 · HOTS · OLYMPIAD PREPARATION · DPP SHEET

## Chapter 7: HOTS: Introduction to Probability (Class 9)

Daily practice problems: 8 questions with an answer key

Try every question on your own first. The answer key is on the last page.

1. A coin is tossed three times. Find the probability of getting at least two heads.
2. Two dice are thrown together. Find the probability that the sum is 8.
3. A bag has 3 red, 5 green and 2 white balls. Find the probability of drawing a red or a white ball.
4. A letter is chosen at random from the word PROBABILITY. Find the probability that it is the letter B, and the probability that it is a vowel.
5. What is the probability of an impossible event? Of a certain event?
6. A card is drawn from ten cards numbered 1 to 10. Find the probability that it is even or greater than 7.
7. Out of 40 seeds, 34 germinate. Find the experimental probability that a seed germinates.
8. A die is thrown once. Find the probability of getting a number that is a factor of 6.

## Answer Key

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1.  $\frac{4}{8} = \frac{1}{2}$ .

2.  $\frac{5}{36}$ .

3.  $\frac{5}{10} = \frac{1}{2}$ .

4.  $\frac{2}{11}$  and  $\frac{4}{11}$ .

5. 0 and 1.

6.  $\frac{6}{10} = \frac{3}{5}$  (the cards are 2, 4, 6, 8, 10 and 9).

7.  $\frac{17}{20}$ .

8.  $\frac{4}{6} = \frac{2}{3}$ .

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