EduSahara™ Assignment

Name : Die Problems

Chapter : Probability

Grade : SSC Grade X

1. Two unbiased dice are thrown simultaneously. Find the probability of getting a doublet.

   (i) $\frac{1}{6}$ (ii) 0 (iii) $\frac{5}{6}$ (iv) $\frac{2}{7}$ (v) $\frac{1}{3}$

2. Two unbiased dice are thrown simultaneously. Find the probability of getting 9 as the sum of the two numbers on the dice.

   (i) $\frac{2}{9}$ (ii) $\frac{1}{9}$ (iii) 0 (iv) $\frac{1}{5}$ (v) $\frac{8}{9}$

3. Two unbiased dice are thrown simultaneously. Find the probability of getting at least 8 as the sum of the two numbers on the dice.

   (i) $\frac{7}{12}$ (ii) $\frac{1}{2}$ (iii) $\frac{6}{13}$ (iv) $\frac{5}{12}$ (v) $\frac{1}{3}$

4. A die is thrown twice. What is the probability that 4 will come up atleast once?

   (i) $\frac{25}{36}$ (ii) $\frac{1}{3}$ (iii) $\frac{11}{36}$ (iv) $\frac{12}{37}$ (v) $\frac{5}{18}$

5. A die is thrown twice. What is the probability that 4 will not come up either time?

   (i) $\frac{26}{37}$ (ii) $\frac{2}{3}$ (iii) $\frac{11}{36}$ (iv) $\frac{13}{18}$ (v) $\frac{25}{36}$

6. An unbiased die is thrown once. Find the probability of getting a prime number?

   (i) $\frac{5}{6}$ (ii) $\frac{2}{3}$ (iii) $\frac{3}{4}$ (iv) $\frac{4}{5}$ (v) $\frac{1}{2}$

7. An unbiased die is thrown once. Find the probability of getting an even number?

   (i) $\frac{5}{6}$ (ii) $\frac{3}{4}$ (iii) $\frac{4}{5}$ (iv) $\frac{1}{2}$ (v) $\frac{2}{3}$

8. An unbiased die is thrown once. Find the probability of getting a 6?

   (i) 0 (ii) $\frac{1}{6}$ (iii) $\frac{2}{7}$ (iv) $\frac{5}{6}$ (v) $\frac{1}{3}$

9. An unbiased die is thrown once. Find the probability of getting a number greater than 1?

   (i) $\frac{2}{3}$ (ii) $\frac{6}{7}$ (iii) 1 (iv) $\frac{1}{6}$ (v) $\frac{5}{6}$

10. An unbiased die is thrown once. Find the probability of getting a number less than 3?

    (i) 0 (ii) $\frac{1}{3}$ (iii) $\frac{1}{2}$ (iv) $\frac{2}{3}$

11. An unbiased die is thrown once. Find the probability of getting a number between 3 and 6?

(i) 0 (ii) $\frac{2}{3}$ (iii) $\frac{1}{2}$ (iv) $\frac{1}{3}$

12. When two dice are thrown simultaneously, how many elementary events are possible?

(i) 39 (ii) 36 (iii) 37 (iv) 35 (v) 34

13. A die is thrown twice. What is the probability that 1 will not come up either time?

(i) $\frac{25}{36}$ (ii) $\frac{2}{3}$ (iii) $\frac{11}{36}$ (iv) $\frac{26}{37}$ (v) $\frac{13}{18}$

14. A die is thrown twice. What is the probability that 5 will come atleast once?

(i) $\frac{1}{3}$ (ii) $\frac{12}{37}$ (iii) $\frac{11}{36}$ (iv) $\frac{5}{18}$ (v) $\frac{25}{36}$

Assignment Key

1) (i)	2) (ii)	3) (iv)	4) (iii)	5) (v)	6) (v)
7) (iv)	8) (ii)	9) (v)	10) (ii)	11) (iv)	12) (ii)
13) (i)	14) (iii)				