Worksheet

1. A die is thrown 30 times and the scores are recorded as below:

   4   3   2   1   6   5   4   3   1   3

   6   1   5   6   4   5   3   4   2   3

   2   5   1   4   2   3   1   2   4   6

   Make a frequency distribution table.

2. A coin is tossed 100 times in which head is obtained 55 times. Find the probability of getting a tail.

3. A dice is thrown 100 times and outcomes are noted as shown below:

Outcomes	1	2	3	4	5	6
Frequency	15	18	14	12	18	23

   Find the probability of getting

   a. 1   b. 5   c. odd number   d. Prime number

4. Two coins are tossed simultaneously 250 times and the outcomes are recorded as under:

Outcomes	Two heads	One head, one tail	Two tails
Frequency	60	125	65

   Find the probability of getting

   a. Two heads   b. Two tails

   c. at least one head   d. one head and one tail

5. Monthly pocket money received by 40 students of a class is as below:

Pocket money (in ₹)	60	80	100	120	140	150
Number of students	6	8	5	5	7	9

   A student is chosen at random. What is the probability that his pocket money is

   a. ₹ 100   b. ₹ 120 or more than ₹ 120

   c. ₹ 100 or less than ₹ 100   d. ₹ 150

6. A bag contains 5 red, 4 black and 6 white balls. A ball is taken out of the bag at random. What is the probability that the ball taken out is

   a. a white ball   b. a black ball   c. a red ball   d. not a red ball

Answers to Worksheet

1.

Outcomes	1	2	3	4	5	6
Frequency	5	5	6	6	4	4

2. $\dfrac{9}{20}$

3. a. $\dfrac{3}{20}$ b. $\dfrac{9}{50}$ c. $\dfrac{47}{100}$ d. $\dfrac{1}{2}$

4. a. $\dfrac{6}{25}$ b. $\dfrac{13}{50}$ c. $\dfrac{37}{50}$ d. $\dfrac{1}{2}$

5. a. $\dfrac{1}{8}$ b. $\dfrac{21}{40}$ c. $\dfrac{19}{40}$ d. $\dfrac{9}{40}$

6. a. $\dfrac{2}{5}$ b. $\dfrac{4}{15}$ c. $\dfrac{1}{3}$ d. $\dfrac{2}{3}$