



(ii) either a green or a black ball

(iii) not a black ball

**Q.7** A bag contains 4 red and 8 blue marbles. A marble is drawn at random. What is the probability of drawing

(i) a red marble ?

(ii) a blue marble ?

**Q.8** A bag contains 6 black, 7 red and 2 white balls. A ball is drawn from the bag at random. Find the probability that the ball drawn is -

(i) Red

(ii) Black or white

(iii) Not black

**Q.9** Complete the statement :

(a) Probability of event A + Probability of event 'not A' .....

(b) Probability of a 'sure' event is .....

(c) Probability of an 'impossible' event is .....

(d) Sum of the probabilities of each outcome in an experiment is .....

(e) Probability of an outcome/ event is greater than or equal to ..... and less than or equal to .....

## ANSWER

1.  $\frac{2}{7}$

3. (i)  $\frac{9}{17}$       (ii)  $\frac{8}{17}$

4. 24

5.  $\frac{1}{5}$

6. (i)  $\frac{7}{18}$       (ii)  $\frac{11}{18}$       (iii)  $\frac{2}{3}$

7. (i)  $\frac{1}{3}$       (ii)  $\frac{2}{3}$

8. (i)  $\frac{7}{15}$       (ii)  $\frac{8}{15}$       (iii)  $\frac{3}{5}$

9. (a) 1      (b) 1      (c) 0      (d) 1      (e) 0, 1