

NCERT Exemplar Solutions by Dev Anoop (Bathinda)
Probability, Ex 13.3

23	1 1	2 1	3 1	4 1	5 1	6 1
	1 1	2 1	3 1	4 1	5 1	6 1
	1 2	2 2	3 2	4 2	5 2	6 2
	1 2	2 2	3 2	4 2	5 2	6 2
	1 3	2 3	3 3	4 3	5 3	6 3
	1 3	2 3	3 3	4 3	5 3	6 3

(i) outcomes (1,1), (1,1)

$$P(\text{sum } 2) = \frac{2}{36} = \frac{1}{18}$$

(ii) outcomes (1,2), (1,2), (2,1), (2,1)

$$P(\text{sum } 3) = \frac{4}{36} = \frac{1}{9}$$

(iii) outcomes (1,3), (1,3), (2,2), (2,2), (3,1), (3,1)

$$P(\text{sum } 4) = \frac{6}{36} = \frac{1}{6}$$

(iv) outcomes (2,3), (2,3), (3,2), (3,2), (4,1), (4,1)

$$P(\text{sum } 5) = \frac{6}{36} = \frac{1}{6}$$

(v) outcomes (3,3), (3,3), (4,2), (4,2), (5,1), (5,1)

$$P(\text{sum } 6) = \frac{6}{36} = \frac{1}{6}$$