

FAQ's:

1. What is known as equally likely events?

Answer:

Two events are said to be equally likely if one of them cannot be expected in preference to the other

2. Define independent events in probability.

Answer:

Two events may be independent, when the actual happening of one does not influence in any way the probability of the happening of the other.

3. What is called mutually exclusive events?

Answer:

Two events are known as mutually exclusive, when the occurrence of one of them excludes the occurrence of the other.

4. Find the probability of throwing 8 with two dice.

Answer:

Total number of possible ways of throwing two dice = $6 \times 6 = 36$

No of ways getting 8 = $(2+6) + (3+5) + (4+4) + (5+3) + (6+2) = 5$

Therefore the required probability = $\frac{5}{36}$

5. State the addition law of probability

Answer:

If $p_1, p_2, \dots, p_n$ be represent probability of mutually exclusive events then the probability p that any of these events will happens is given by $p = p_1 + p_2 + \dots + p_n$.