

**Answer The Following**

- 1) Two dice are rolled. What is the probability that the two numbers add up to a prime number?
- 2) A bag contains 3 red balls, 5 blue balls, and 7 green balls. Carol draws 2 balls out of the bag. What is the probability that she gets a red ball and a blue ball?
- 3) Coin A is flipped 3 times and coin B is flipped 4 times. What is the probability that the number of heads obtained from flipping the two coins is the same?
- 4) A tyre manufacturer keeps the record of how much distance the tyres manufactured by the company travel before failing. They find the following data

Distance traveled in kilometers	Number of failing tyres
Less than 5000	80
5000 to 10000	300
10001 to 20000	360
20001 to 40000	504
More than 40000	756

If Sandra buys a tyre from them, what is the probability that it will last more than 20000 kilometers?

- 5) What is the probability that a leap year will contain 53 Tuesdays?

**Choose correct answer(s) from given choice**

- 6) A poll is taken among people working in Atlanta. The aim was to see what their annual salaries were.

Annual Salary	Number of people
Less than 40000	360
40001 to 75000	820
75001 to 150000	1940
150001 to 250000	2752
More than 250000	4128