

Answer the questions

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

Annual Salary	Number of people
Less than 40000	260
40001 to 75000	1440
75001 to 150000	1860
150001 to 250000	2576
More than 250000	3864

If you choose a person at random from this group, what is the probability that he or she earns more than 75000 annually?

- (2) There are 4 badges belonging to 4 students. The badges were put into a box, and each student pulls out an badge one after the other. What is the probability that each student gets his or her own badge?
- (3) Find the arithmetic mean of the following data.

Marks	Number of Students
Less than 10	22
Less than 20	42
Less than 30	60
Less than 40	78
Less than 50	100

- (4) Two dice are rolled. What is the probability that the two numbers add up to a prime number?
- (5) From among a group of 5 men, 4 women and 6 children, 4 individuals are selected randomly. What is the probability that exactly 1 among the chosen are children?
- (6) A bag contains 2 red balls, 3 blue balls, and 10 green balls. Balvinder draws 2 balls out of the bag. What is the probability that he gets a green ball and a red ball?
- (7) 3 coins are tossed in parallel. What is the probability of getting at least one heads?