

Question No: 10 (Marks: 1) - Please choose one

$$\left\lceil \frac{N}{6} \right\rceil = 9$$

What is the smallest integer N such that

► 46

► 29

► 49

$$N = 6 \times (9 - 1) + 1$$

$$= 6 \times 8 + 1 = 49$$

Question No: 11 (Marks: 1) - Please choose one

What is the probability of getting a number greater than 4 when a die is thrown?

► $\frac{1}{2}$

► $\frac{3}{2}$

► $\frac{1}{3}$

Number greater than 4 = 5, 6

$$\text{Probability} = \frac{2}{6} = \frac{1}{3}$$

Question No: 12 (Marks: 1) - Please choose one

If A and B are two disjoint (mutually exclusive)

events then $P(A \cap B) =$

► $P(A) + P(B) + P(A \cap B)$

► $P(A) + P(B) + P(A \cup B)$

► $P(A) + P(B) - P(A \cap B)$

► $P(A) + P(B) - P(A \cup B)$

► $P(A) + P(B)$ **Page (240)**

Question No: 13 (Marks: 1) - Please choose one

If a die is thrown then the probability that the dots on the top are prime numbers or odd numbers is

► 1

► $\frac{1}{2}$