

CBSE Math Test Paper - X Probability -1

Section A

MCQ. 1 Mark Each

Q.1 A fair dice is rolled. Probability of getting a number x such that $1 \leq x \leq 6$, is

- (a) 0 (b) > 1 (c) between 0 and 1 (d) 1

Q.2 A card is drawn from a well shuffled pack of 52 playing cards. The probability that the card is a red or a hearts is

- (a) $1/3$ (b) $1/4$ (c) $1/2$ (d) $3/13$

Q.3 The probability of getting a number between 1 and 25 which prime is

- (a) $2/23$ (b) $9/23$ (c) $5/23$ (d) None of these

Q.4 Which of the following cannot be the probability of an event?

- (a) $1/3$ (b) 0.1 (c) 3 % (d) $17/16$

Q.5 A girl calculates that the probability of her winning the first prize in a lottery is 0.08. If 6000 tickets are sold, how many tickets has she bought?

- (a) 40 (b) 240 (c) 480 (d) 750

Section A

MCQ. 3 Marks Each

Q. 1. Cards each marked with one of the numbers 4,5,6,20 are placed in a box and mixed thoroughly. One card is drawn at random from the box. What is the Probability of getting an even prime number?

Q. 2. A bag contains 5 red, 8 green and 7 white balls . one ball is drawn at random from the bag, find the Probability of getting

1. A white ball or a green ball 2. Neither a green ball nor a red ball

Q. 3. A bag contains 5 red and 4 black balls. A ball is drawn at random from the bag. What is the Probability of getting a black ball?

Q. 4. All cards of ace, jack and queen are removed from a deck of playing cards. One card is drawn at random from the remaining cards, find the v that the card drawn is

1. A face card 2. Not a face card.

Q. 5. A dice is thrown once, what is the probability of getting a prime number?

Q. 6. What is the Probability that a number selected from the numbers 1,2,3,.....15 is a multiple of 4?

Q. 7. One card is drawn from a well shuffled deck of 52 cards. Calculate the Probability that the card will a) be an ace , b) not be an ace.