**Probability**

1. 3 fair coins are flipped. What is the probability that exactly two heads appear on the top?

A) 2/8 B) 1/6 C) 3/8 D) 1/2

2. 7 fair coins are flipped. What is the probability that exactly five heads appear on the top?

A) 35/128 B) 21/128 C) 21/64 D) 35/64

3. When one card is picked from a deck of 52 cards, what is the probability that it is either “King” or a Red coloured card?

A) 7/13 B) 15/26 C) 25/51 D) 7/1

4. When two cards are picked from a deck of 52 cards without replacing the cards, what is the probability that they are of different colours?

A) 25/51 B) 26/51 C) (26/52)\*(25/51) D) (26/52)\*(26/51)

5. When two 6 sided fair dice is rolled, what is the probability that the sum of the two outcomes is 8.

A) 11/35 B) 7/36 C) 5/36 D) 1/12

6. When two 6 sided fair dice is rolled, what is the probability that the sum of the two outcomes is 11.

A) 5/18 B) 1/12 C) 5/6 D) 1/18

7. 5 fair coins are flipped. What is the probability that exactly three heads appear on the top?

A) 5/16 B) 1/32 C) 3/8 D) 5/32

8. When one card is picked from a deck of 52 cards, what is the probability that it is either a “King” or Spade card?

A) 17/52 B) 15/53 C) 17/51 D) 4/13

9. Probability that A can solve the problem is 2/3. Probability that B can solve the problem is 2/5 . When both of them try to solve the problem, what is the probability that the problem get solved?

A) 1/5 B) 1/3 C) 4/5 D) 4/15

10. In a class there are 15 boys and 10 girls, 3 students are selected at random. The probability that 2 boys and 1 girl is selected is?

A) 13/5 B) 21/46 C) 4/5 D) 4/15

11. A card is picked from a deck of 52 cards. what is the probability of getting a Queen or a King of hearts?

A) 1/26 B) 1/46 C) 41/5 D) 4/5

12. Probability that a problem can be solved by A is 60%, B is 80% and C is 75%. What is the probability that B alone can solve the problem?

A) 1/6 B) 4/43 C) 2/25 D) 4/5

13. An urn consists of 4 red marbles, 3 black marbles and 3 Green marbles. If three marbles are taken out without replacing, what is the probability that all the three are red.

A) 1/45 B) 1/30 C) 2/5 D) 3/10

14. An urn consists of 4 red marbles, 3 black marbles and 3 Green marbles. If three marbles are taken out without replacing, what is the probability that the two are Green and one is black.

A) 3/10 B) 3/20 C) 2/5 D) 3/40

15. Probability that a problem can be solved by A is 60%, B is 80% and C is 75%. What is the probability that the problem is solved?

A) 49/50 B) 49/51 C) 2/25 D) 4/5