

Interpretations - CAT 99

Recently, Ghosh Babu spent his winter vacation on Kya-Kya island. During the vacation, he visited the local casino where he came across a new card game. Two players, using a normal deck of 52 cards, play this game. One player is called the “dealer”, the other is called the “player”. First, the player picks a card at random from the deck. This is called the base card. The amount in rupees equal to the face value of the base card is called the base amount. The face values of Ace, King, Jack, Queen are ten. For other cards the face value is the number on the card. Once the “player” picks a card from the deck, the “Dealer” pays him the base amount. Then, the “dealer” picks a card from the deck and this card is called the top card. If the top card is of the same suit as the base card, the player pays twice the base amount to the dealer. If the top card is the same colour as the base card (but not the same suit) then the player pays the base amount to the dealer. If the top card happens to be of a different colour than the base card, the dealer pays the base amount to the player.

Ghosh Babu played the game four times. First time he picked eight of clubs and the dealer picked queen of clubs. Second time, he picked ten of hearts and the dealer picked two of spades. Next time, Ghosh Babu picked six of diamonds and dealer picked ace of hearts. Lastly, he picked eight of spade and the dealer picked jack of spades.

Answer the following questions based on these four games.

1. If GB stopped playing the game when his gain would be maximised, the gain in Rupee would be ?
 - a. 12
 - b. 20
 - c. 16
 - d. 4

2. If the final amount of money that Ghosh Babu had with him was Rupee 100, what was the initial amount he had with him ?
 - a. 120
 - b. 8
 - c. 4
 - d. 96

3. The initial money GB had (before the beginning of game sessions) was X. At no point did he have to borrow any money. What is the minimum possible value of X
 - a. 16
 - b. 8
 - c. 100
 - d. 24

Ans key

a

d

b