

# Mathematics

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(Chapter – 13) (Statistics & Probability)(Exemplar Problems)  
(Class – X)

## Exercise 13.1

Choose the correct answer from the given four options:

### Question 21:

A card is drawn from a deck of 52 cards. The event E is that card is not an ace of hearts. The number of outcomes favourable to E is.

- (A) 4                      (B) 13                      (C) 48                      (D) 51

### Answer 21:

- (D) 51

### Solution:

In a deck of 52 cards, there are 13 cards of heart and 1 is ace of heart.

Hence, the number of favourable outcomes to E =  $52 - 1 = 51$

Hence, the option (D) is correct.

