

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 18:

If a card is selected from a deck of 52 cards, then the probability of its being red face card is

(A) $\frac{3}{26}$

(B) $\frac{3}{13}$

(C) $\frac{2}{13}$

(D) $\frac{1}{2}$

Answer 18:

(A) $\frac{3}{26}$

Solution:

In a deck of 52 cards, there are 12 face cards i.e., 6 red (3 hearts and 3 diamonds) and 6 black (3 spades and 3 clubs) cards.

So, probability of getting a red face card = $\frac{6}{52} = \frac{3}{26}$

Hence, the option (A) is correct.

