

TOPIC

Engineering Probability and Statistics – Section II – Question 1

QUESTION

A card is randomly selected from a deck of 52 playing cards (that is, the two jokers are excluded). The probability that the selected card is a heart or a jack most nearly is

- (A) $1/4$
- (B) $3/10$
- (C) $2/5$
- (D) $4/13$

HINT

The probability of an event E , $P(E)$, is equal to the number of outcomes, $N(E)$, contained in the event divided by the total number of outcomes, N . Here it is assumed that each outcome is equally likely to occur.

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