Answer on Question #81056 – Math – Statistics and Probability

Question

Two sets of cards are placed into separate bags. Each card has one letter.

Bag 1: I L J A U Bag 2: L R H E C A

Amna randomly picked one card from each bag. Find the probability that:

i. She picked the letters 'U' and 'H'.ii. Both letters are 'L'.iii. Both letters are vowels

Solution

i. The probability that she picked 'U' and 'H'

$$P(U\&H) = \frac{1}{5} \times \frac{1}{6} = \frac{1}{30}$$

ii. The probability that both letters are 'L'

$$P(L\&L) = \frac{1}{5} \times \frac{1}{6} = \frac{1}{30}$$

iii. The probability that both letters are vowels: 'A', 'E', 'I', 'O', 'U' $P(both \ vowels) = \frac{3}{5} \times \frac{2}{6} = \frac{1}{5}$

Answer provided by https://www.AssignmentExpert.com