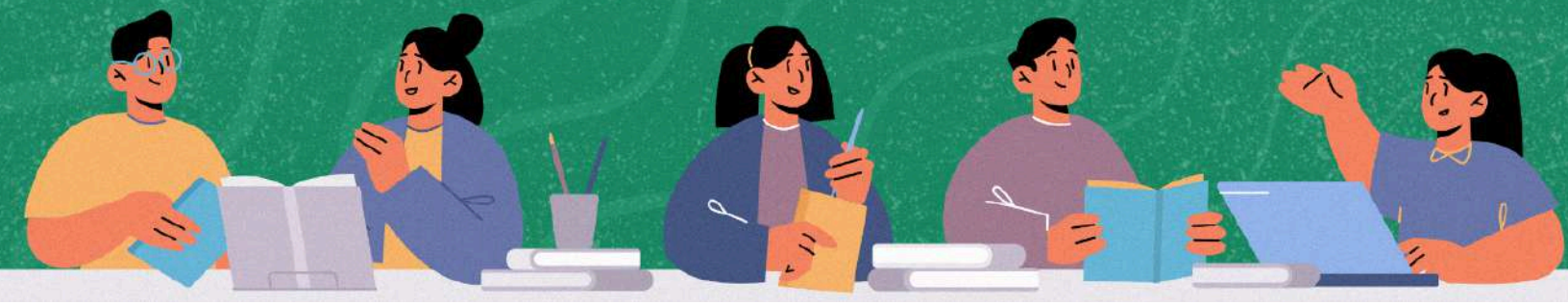


WORKSHEET

Non-Mutually Exclusive Events

Unsolved with Answer key



WORKSHEET

Non-Mutually Exclusive Events

Q 1. Given that $P(A) = 0.8$, $P(B) = 0.5$ and $P(A \cap B) = 0.7$ then find $P(A \cup B)$ when A and B are Non-Mutually Exclusive Events.

Q 2. For two Non-Mutually Exclusive Events A and B $P(A) = 0.4$, $P(B) = 0.8$ and $P(A \cup B) = 0.9$ then find $P(A \cap B)$.

Q 3. Find the conditional probability for Non-Mutually Exclusive Events given that $P(A \cap B) = 0.25$ and $P(A) = 0.5$

Q 4. In a deck of 52 cards find the probability of getting a red card or jack.

Q 5. In a deck of 52 cards find the probability of getting a red card or queen.

Answer Key

Non-Mutually Exclusive Events

1. 0.6
2. 0.3
3. 0.5
4. $1/2$
5. $4/13$

