

Relations-and-Functions - Class XI

Related Questions with Solutions

Questions

Question: 01

If $A = \{2, 3, 4, 8, 10\}$, $B = \{3, 4, 5, 10, 12\}$, $C = \{4, 5, 6, 12, 14\}$ then $(A \cap B) \cup (A \cap C)$ is equal to

- A. $\{3, 4, 10\}$
- B. $\{2, 8, 10\}$
- C. $\{4, 5, 6\}$

D. $\{3, 5, 14\}$

Solutions

Solution: 01

$$A \cap B = \{3, 4, 10\} \quad A \cap C = \{4\}$$

$$(A \cap B) \cup (A \cap C) = \{3, 4, 10\}$$

Correct Options

Answer:01

Correct Options: A