

Mathematics 10th Class English Medium Online Test

Sr	Questions	Answers Choice
1	If two sets have some elements common but not all are called..... sets	A. Sub B. OVERLAPPING C. Disjoint D. Super
2	Which of the following is commutative law?	A. $A \cup (B \cup C) = (A \cup B) \cup C$ B. $A \cap (B \cap C) = (A \cap B) \cap C$ C. $A \cup B = B \cup A$ D. $(A \cup B) \cap C = A \cap C \cup B \cap C$
3	Which of the following is distributive property intersection over union?	A. $A \cup (B \cup C) = A \cup (B \cup C)$ B. $A \cap (B \cap C) = (A \cap B) \cap (A \cap C)$ C. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$ D. $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
4	Which of the following is distributive property of union over intersection?	A. $A \cup (B \cup C) = A \cup (B \cup C)$ B. $A \cap (B \cap C) = (A \cap B) \cap C$ C. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$ D. $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
5	Which of the following is associative law of Intersection?	A. $A \cup (B \cup C) = (A \cup B) \cup C$ B. $A \cap (B \cap C) = (A \cap B) \cap C$ C. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$ D. $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
6	Which of the following is associative law of union?	A. $A \cup (B \cup C) = (A \cup B) \cup C$ B. $A \cap (B \cap C) = (A \cap B) \cap C$ C. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$ D. $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
7	Which of the following is De-Morgan's law?	A. $(A \cup B) \cup C = A \cup (B \cup C)$ B. $(A \cap B) \cup (A \cap C) = A \cup (B \cap C)$ C. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$ D. $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
8	If $x \in U$ and $x \notin A$, then $\{x\}$ is equal to	A. $U \setminus \{x\}$ B. $\{x\}^c$ C. \emptyset D. $A - U$
9	If $x \subseteq A$ and $x \notin b$, then $\{x\}$ is equal to.....	A. $A - B$ B. $B - A$ C. $A \cap B$ D. $A \cup B$
10	If $x \in A$ and $x \in B$, then $\{x\}$ is equal to .	A. $A \cap B$ B. $A \cup B$ C. $A \cap B$ D. $B \cup A$
11	Which of the following is complete description of Real numbers?	A. $N \cup W = R$ B. $O \cup E = R$ C. $P \cup Q = R$ D. $Q \cup Q' = R$
12	$O - E = \dots$	A. \emptyset B. O C. E D. Z
13	$E - O = \dots$	A. \emptyset B. O C. E D. Z
14	$O \cup E = \dots$	A. \emptyset B. O C. E D. Z
15	$O \cap E = \dots$	A. \emptyset B. O C. E D. Z

