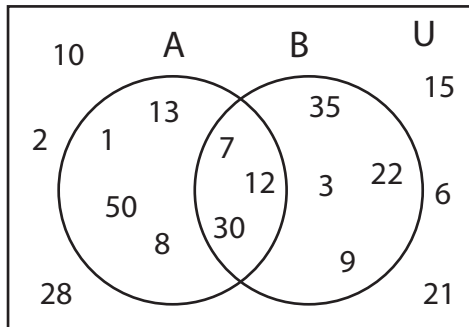


## Venn Diagram

L151

Perform the below mention boolean algebraic operation for the given set of elements.

1)

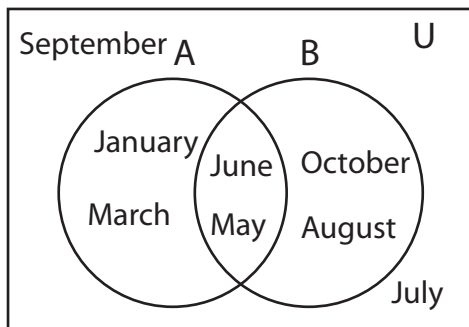


i)  $B'$  = \_\_\_\_\_

ii)  $A' \cap B$  = \_\_\_\_\_

iii)  $A \cup B$  = \_\_\_\_\_

2)

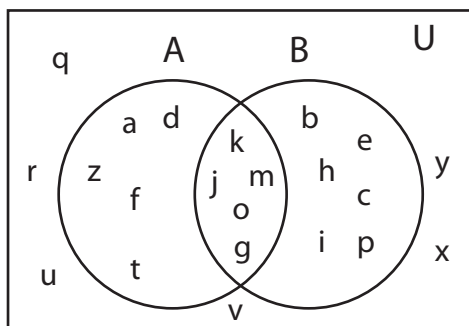


i)  $(A \cup B)'$  = \_\_\_\_\_

ii)  $A \cap B$  = \_\_\_\_\_

iii)  $A$  = \_\_\_\_\_

3)

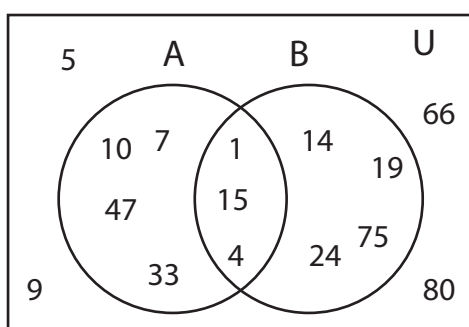


i)  $A' \cap B'$  = \_\_\_\_\_

ii)  $A'$  = \_\_\_\_\_

iii)  $A \cup B'$  = \_\_\_\_\_

4)



i)  $A \cap B'$  = \_\_\_\_\_

ii)  $B$  = \_\_\_\_\_

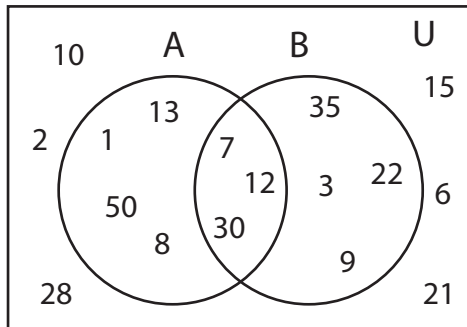
iii)  $A' \cup B$  = \_\_\_\_\_

**Answer key****Venn Diagram**

L151

Perform the below mention boolean algebraic operation for the given set of elements.

1)

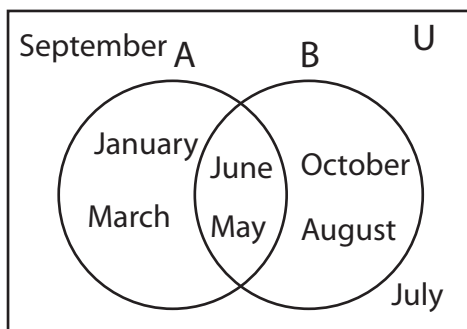


i)  $B' = \underline{\{1, 2, 6, 8, 10, 13, 15, 21, 28, 50\}}$

ii)  $A' \cap B = \underline{\{3, 9, 22, 35\}}$

iii)  $A \cup B = \underline{\{1, 3, 7, 8, 9, 12, 13, 22, 30, 35, 50\}}$

2)

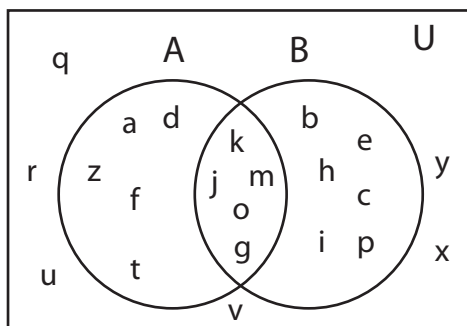


i)  $(A \cup B)' = \underline{\{July, September\}}$

ii)  $A \cap B = \underline{\{May, June\}}$

iii)  $A = \underline{\{January, March, May, June\}}$

3)

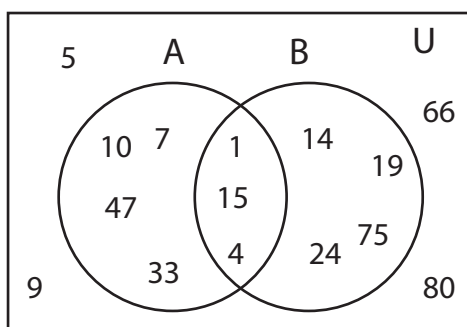


i)  $A' \cap B' = \underline{\{q, r, u, v, x, y\}}$

ii)  $A' = \underline{\{b, c, e, h, i, p, q, r, u, v, x, y\}}$

iii)  $A \cup B' = \underline{\{a, d, f, g, j, k, m, o, q, r, t, u, v, x, y, z\}}$

4)



i)  $A \cap B' = \underline{\{7, 10, 33, 47\}}$

ii)  $B = \underline{\{1, 4, 14, 15, 19, 24, 75\}}$

iii)  $A' \cup B = \underline{\{1, 4, 5, 9, 14, 15, 19, 24, 66, 75, 80\}}$