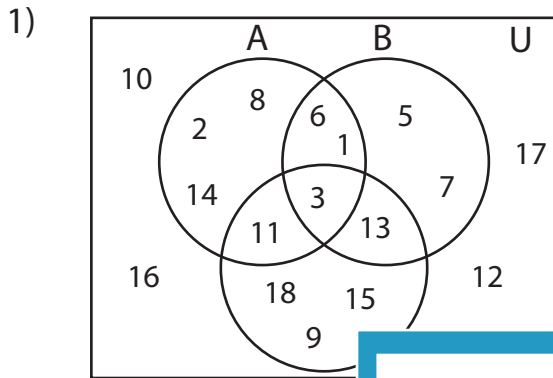


Venn Diagram

L1S1

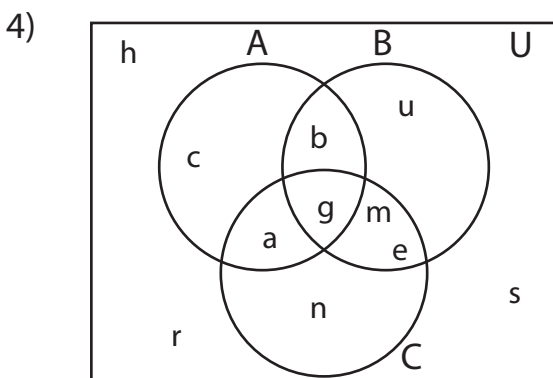
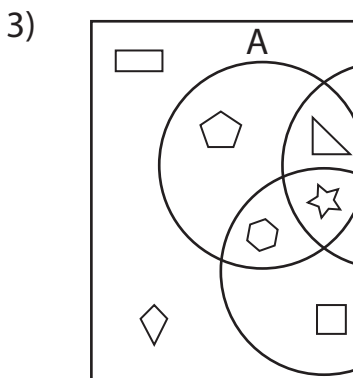
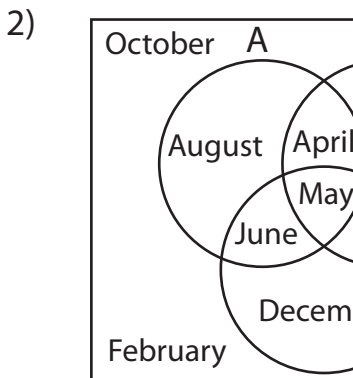
Perform the below mention boolean algebraic operation for the given set of elements.



i) $(B \cup C)'$ = _____

ii) $A \cap B$ = _____

iii) C' = _____



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

ii) B' = _____

iii) $A \cup B$ = _____

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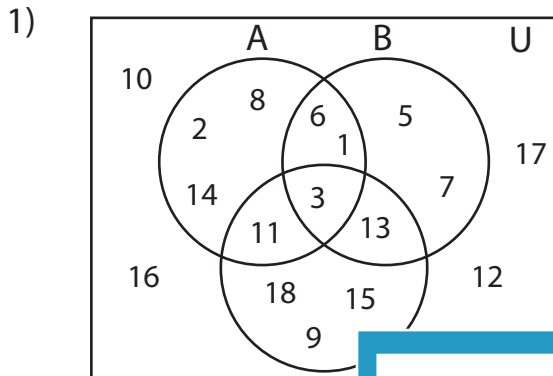
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Answer key

Venn Diagram

L1S1

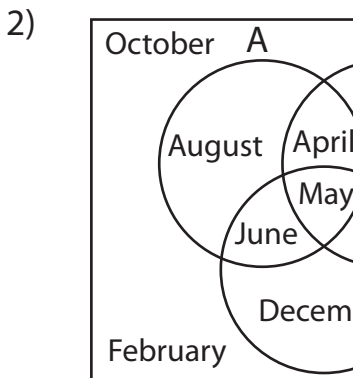
Perform the below mention boolean algebraic operation for the given set of elements.



i) $(B \cup C)' = \underline{\{2, 8, 10, 12, 14, 16, 17\}}$

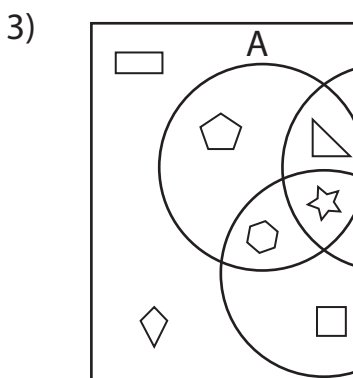
ii) $A \cap B = \underline{\{1, 3, 6\}}$

iii) $C' = \underline{\{1, 2, 5, 6, 7, 8, 10, 12, 14, 16, 17\}}$



$\underline{\{e, July, August, December\}}$

$\underline{\{e, August\}}$



$\underline{\{), \text{pentagon}, \text{triangle}, \text{hexagon}, \text{square}\}}$

$\underline{\{), \text{pentagon}, \text{triangle}, \text{hexagon}, \text{square}\}}$

$\underline{\{), \text{pentagon}, \text{triangle}, \text{hexagon}, \text{square}\}}$

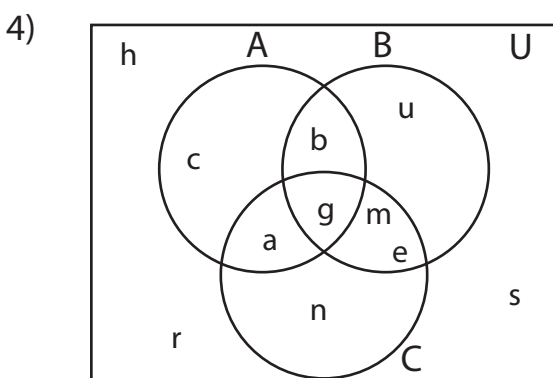
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i) $A' \cap B' = \underline{\{h, n, r, s\}}$

ii) $B' = \underline{\{a, c, h, n, r, s\}}$

iii) $A \cup B = \underline{\{a, b, c, e, g, m, u\}}$