



1. Find the cardinality of $A = \{-6, -5\}$
(i) (-1) (ii) 5 (iii) 3 (iv) 2 (v) 1
2. If $A = \{-1, 9, 7, 1\}$, then $n(A) = ?$
(i) 6 (ii) 3 (iii) 1 (iv) 4 (v) 5
3. If $\mu = \{-7, -3, -6, -8, 3, 8, -1, 7, -9, 4, -2, -5, 6, -4, 1, 0, 9\}$, $A = \{-7, -3, -6, -8, 3, 8, -1\}$ and $B = \{-6, -1, 7, -9, 4, -2\}$, find $n(A)$
(i) 6 (ii) 5 (iii) 7 (iv) 9 (v) 8
4. If $\mu = \{9, 4, -1, -8, -2, -7, -6, -5, -4, 0, -3, -9\}$, $A = \{9, 4, -1, -8\}$ and $B = \{-1, -2, -7, -6, 9\}$, find $n(B)$
(i) 3 (ii) 6 (iii) 5 (iv) 4 (v) 8
5. If $\mu = \{-7, -6, 3, -4, 6, -8, -3, 0\}$, $A = \{-7, -6, 3\}$ and $B = \{-4, 6, -6\}$, find $n(A \cup B)$
(i) 5 (ii) 6 (iii) 7 (iv) 3 (v) 4
6. If $\mu = \{3, -8, -1, 4, 7, -9, -5, -7, 0, 6, -3, 9, 5\}$, $A = \{3, -8, -1, 4, 7, -9\}$ and $B = \{-5, -7, 3\}$, find $n(A \cap B)$
(i) 4 (ii) (-1) (iii) 0 (iv) 1 (v) 2
7. If $\mu = \{-9, 8, 4, 1, 10, 6, -3, -1, 9, 7, -8, -7, 2, -6, -2, -5, 0, -4\}$, $A = \{-9, 8, 4, 1, 10, 6, -3\}$ and $B = \{1, -3, -1, 4, 9, 7, -8\}$, find $n(A - B)$
(i) 4 (ii) 7 (iii) 1 (iv) 3 (v) 5
8. If $\mu = \{5, -1, 0, 4, -3, -2, 6, -4, 7, 1, -8, -5, -7, 8, 2, -6, -9\}$, $A = \{5, -1, 0, 4, -3, -2\}$ and $B = \{6, -4, -2, 7, 1, -8, -1\}$, find $n(B - A)$
(i) 2 (ii) 4 (iii) 8 (iv) 5 (v) 6
9. If $\mu = \{4, 5, -2, 1, 0, -5, -1, -4, -3, 8, -6, 2, -7, 6, 7\}$, $A = \{4, 5, -2, 1, 0, -5, -1\}$ and $B = \{-4, -1, -2, -3\}$, find $n((A - B) \cup (B - A))$
(i) 7 (ii) 8 (iii) 10 (iv) 6 (v) 5
10. If $\mu = \{0, -4, 6, -2, 9, 8, -3, -5, -7, -8, 4, -9, 5, -1, -6\}$, $A = \{0, -4, 6, -2, 9, 8\}$ and $B = \{-3, -5, 0, -2, 6\}$, find $n((A \cup B) - (A \cap B))$
(i) 3 (ii) 4 (iii) 8 (iv) 5 (v) 6
11. If $\mu = \{-5, -2, -4, 8, 5, 4, 9, -7, -3, -9, 6, -8, 1\}$, $A = \{-5, -2, -4, 8\}$ and $B = \{5, 4, -4, 9, -2, -7\}$, find $n(A')$
(i) 9 (ii) 10 (iii) 8 (iv) 12 (v) 7
12. If $\mu = \{-1, 4, 10, -6, -4, 3, 5, -9, 8, 2, -2, -5, 7, -8, 9, 1, -7, 0\}$, $A = \{-1, 4, 10, -6, -4, 3, 5\}$ and $B = \{4, -9, 8, 2, -2, -4, -6\}$, find $n(B')$
(i) 12 (ii) 8 (iii) 10 (iv) 13 (v) 11

Assignment Key

1) (iv)	2) (iv)	3) (iii)	4) (iii)	5) (i)	6) (iv)
7) (i)	8) (iv)	9) (i)	10) (iv)	11) (i)	12) (v)