

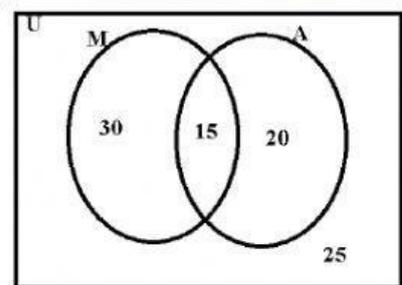
Chapeter:1 (SET)

Name of Student: class:

Fill in the blank space

1. If $A = \{0\}$, then $n(A) =$
2. Given that $A = \{a,b,c,d\}$ and $B = \{a,e,i,o,u\}$ then $A \cup B =$
3. If $U = \{0,1,2,3,4,5\}$ and $\bar{A} = \{2,3,5\}$ then $A =$
4. If $n(A) = 50$, $n(B) = 40$ and $n(A \cap B) = 20$, then value of $n(A \cup B) =$
5. If $n(A) = 80$, $n(B) = 55$ and $n(A \cap B) = 45$, then value of $n_0(A) =$
6. If $A \subset B$, $n(A) = 25$ and $n(A \cup B) = 40$, then what is the value of $n(B) =$
7. If $A \subset B$, $n(A) = 100$ and $n(A \cup B) = 150$, then value of $n_0(B) =$
8. Let $A = \{\phi\}$, what is the value of $n(A) =$
9. If $P = \{h,a,v,e\}$, $Q = \{h,a,s\}$ and $R = \{h,a,d\}$ then $(P \cup Q) \cap R =$
10. If $n_0(A) = 40$, $n_0(B) = 30$, $n(A \cap B) = 20$, then of $n(A \cup B) =$
11. If $n_0(A) = 35$, $n_0(B) = 30$, $n(A \cap B) = x$ and $n(\overline{A \cup B}) = 20$, then $x =$
12. If $n(A) = 50$, $n(B) = 45$, $n(\overline{A \cup B}) = 10$ and $n(U) = 100$, then $n(A \cap B) =$
13. In the venn-diagram, M and A represent the set of students who like mango and apple, then find:

- a) $n(M) =$ b) $n(A) =$
- d) $n(A \cup M) =$ e) $n(\overline{A \cup M}) =$
- g) $n_0(M) =$ h) $n_0(A) =$
- c) $n(A \cap M) =$ f) $n(U) =$



Subject teacher: Govinda Paudel.