Chapeter:1 (SET)

Name of Student: _____ **class:** _____

Fill in the blank space

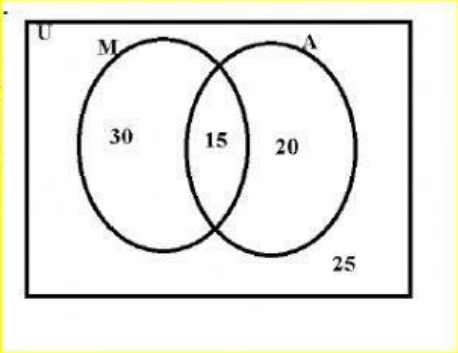
1. If A = {0}, then n(A) = _____
2. Given that A= {a,b,c,d} and B = {a,e,i,o,u}then $A \cup B$ = _____
3. If U = {0,1,2,3,4,5} and $\overline{A}$ = {2,3,5} then A = _____
4. If n(A) = 50, n(B) = 40 and $n(A \cap B) = 20$, then value of $n(A \cup B)$ = _____
5. If n(A) = 80, n(B) = 55 and $n(A \cap B) = 45$, then value of $n_0(A)$ = _____
6. If A⊂B, n(A) = 25 and $n(A \cup B) = 40$, then what is the value of n(B) = _____
7. If A⊂B, n(A) = 100 and $n(A \cup B) = 150$, then value of $n_0(B)$ = _____
8. Let A = {ϕ}, 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 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.

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