

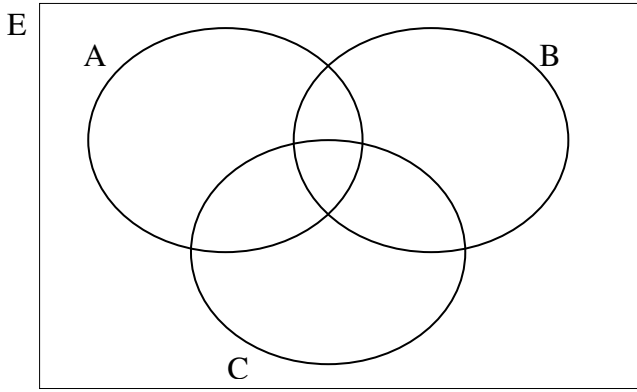
9. SINIF KÜMELER ÜNİTESİ 3.Etkinlik

1. E , rakamlar kümesi

A , asal rakamlar kümesi

$$B = \{2, 5, 6, 8\}$$

$$C = \{0, 2, 6, 7\}$$



a) $s(A \cap C) =$

b) $s(A \cap C') =$

c) $s(B' - A) =$

d) $s(C' - B') =$

e) $B - A = \{ \quad \}$

f) $C - (A \cup B) = \{ \quad \}$

g) $C - (A \cap B) = \{ \quad \}$

h) $(A \cap B) - C = \{ \quad \}$

i) $(A \cup B) - C = \{ \quad \}$

j) $(C - A) \cap B = \{ \quad \}$

k) $(C - B) \cap A = \{ \quad \}$

l) $A' = \{ \quad \}$

m) $(A \cup B)' = \{ \quad \}$

n) $B' \cup C = \{ \quad \}$

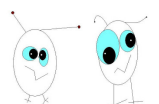
o) $(E \cup A)' \cap A = \{ \quad \}$

p) $C' - A = \{ \quad \}$

q) $B' \cup A' = \{ \quad \}$

2. Aşağıdaki kümelerde istenen bölgeleri tarayın. (E evrensel küme)

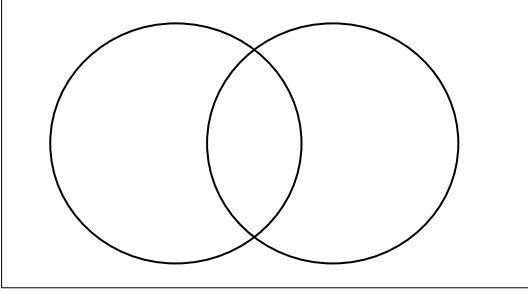
a) $(E \cup X) - Z$	b) $(X \cup Y)'$
c) $(Z - X') \cap Y$	d) $(X \cup Y') \cap (Y \cup Z')$
e) $(X' \cap Z)' \cap E$	f) $(E \cap X') \cup Y'$
g) $Z' - (X \cup Y)'$	h) $Z \cap (Y' - X)$



3. A ve B, E kümesinin altkümeleri ve

$$s(A')=14, s(B')=9, s(A \cap B)'=18$$

olduğuna göre $s(A \cup B)'=?$



4. Aşağıdaki ifadeleri sadeleştirin. (E: Evrensel küme, A ve B altkümeleri)

a) $(A - B)' =$

b) $E' =$

c) $E' \cup A =$

d) $A' \cap A =$

e) $A' \cup A =$

f) $E - (A \cup B)' =$

g) $(A \cup B) - E =$

h) $(A \cup B) \cap A' =$

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

j) $[(A - B) \cap B] \cup A' =$

k) $[(A - B)' \cup (B - A)]' =$

l) $[(A - B) \cap (B - A)]' =$

m) $[A \cap (B' - A)']' =$

5. A, B ve C birer küme ise aşağıdaki durumlara göre venn şemaları çiziniz.

a) $A \cap B \neq \emptyset, B \cap C \neq \emptyset, A \cap C \neq \emptyset, A \cap B \cap C \neq \emptyset$

b) $A \subset B, B \subset C$

c) $A \subset B, C \subset B, A \cap C = \emptyset$

d) $A \subset C, B \subset C, A \cap B \neq \emptyset$

e) $A \cap B \neq \emptyset, A \cap C \neq \emptyset, B \subset C$