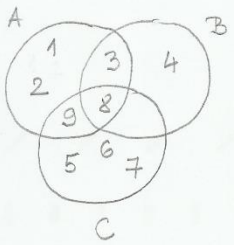
SKUPOVI – RJEŠENJA ZADATAKA

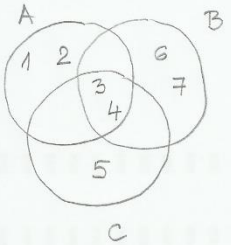
1) $A \cap B = \{b, d, f\}$
$A \cup B = \{a, b, c, d, e, f, g, h, j, l\}$
$A \setminus B = \{a, c, e, g\}$
$B \setminus A = \{h, j, l\}$

2)



$A = \{1, 2, 3, 8, 9\}$
$B = \{3, 4, 8\}$
$C = \{5, 6, 7, 8, 9\}$

3)



$A = \{1, 2, 3, 4\}$
$B = \{3, 4, 6, 7\}$
$C = \{3, 4, 5\}$

4) a) $A = \{4, 6, 8, 10\}$
b) $A = \{6, 7, 8\}$
c) $A = \{3\}$
d) $A = \{1, 2, 3\}$

5) a) $A \in \{\phi, \{1\}, \{2\}, \{3\}, \{1,2\}, \{1,3\}, \{2,3\}\}$
b) $A \in \{\phi, \{1\}, \{2\}, \{3\}, \{1,2\}, \{1,3\}, \{2,3\}, \{1,2,3\}\}$

6) a) DA
b) DA
c) NE
d) NE

7) a) $card(A) = 3$

$card(B) = 2$

$card(C) = 4$

b) B i C su disjunktni

c) $A \cup B \cup C = \{2, 4, 5, 7, 8, 9, 10\}$

$(A \cup B) \cap C = \{7, 10\}$

$A \cup (B \cap C) = \emptyset$

$(A \setminus C) \cup B = \{2, 4, 5\}$

$(C \setminus A) \cup B = \{2, 5, 8, 9\}$

8) a) $card(E) = 3$

$card(F) = 3$

$card(G) = 4$

b) E i G su disjunktni

c) $E \cup F \cup G = \{a, b, c, d, e, f, h\}$

$(E \cup F) \cap G = \{f\}$

$E \cup (F \cap G) = \{a, c, e, f\}$

$(E \setminus G) \cup F = \{a, c, e, f\}$

$(G \setminus F) \cup E = \{a, b, c, d, e, h\}$

9) a) $card(K) = 5$

$card(L) = 4$

$card(M) = 4$

b) L i M su disjunktni

c) $K \cup L \cup M = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$

$(K \cup L) \cap M = \{1, 2\}$

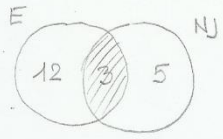
$K \cup (L \cap M) = \{1, 2, 3, 4, 5\}$

$(K \setminus M) \cup L = \{3, 4, 5, 8, 9, 10\}$

$(M \setminus K) \cup L = \{3, 6, 7, 8, 9, 10\}$

$(K \cup M) \setminus (K \cup L) = \{6, 7\}$

10)

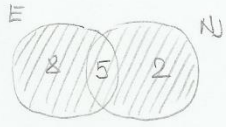


$15 + 8 = 23$

$23 - 20 = 3$

Rj.: 3

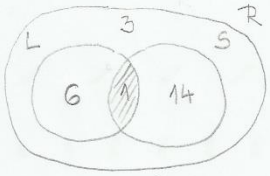
11)



$8 + 5 + 2 = 15$

Rj.: 15

12)



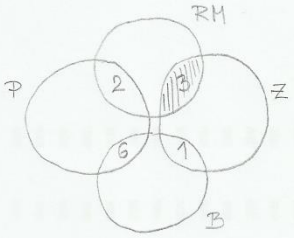
$24 - 3 = 21$

$7 + 15 = 22$

$22 - 21 = 1$

Rj.: 1

13)



$P : Z = 2 : 1$

$P = 2Z$

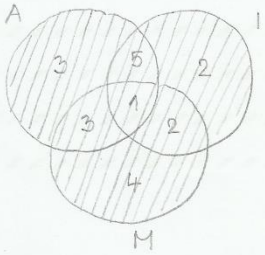
$P + Z = 12$

$3Z = 12$

$Z = 4, P = 8$

Rj.: 3

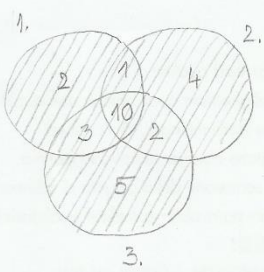
14)



$1 + 5 + 3 + 2 + 3 + 2 + 4 = 20$

Rj.: 20

15)



$10 + 1 + 3 + 2 + 2 + 4 + 5 = 27$

Rj.: 27