Taller de Operaciones entre conjuntos

INSTITUCIÓN EDUCATIVA
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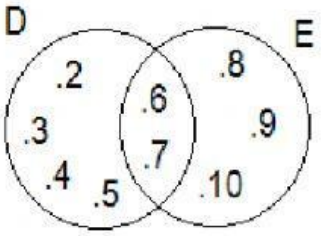
1. De acuerdo al siguiente diagrama, la operación D U E corresponde a:



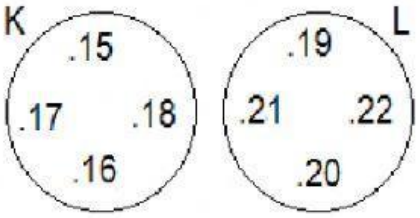
a. {2;3;4;5;6;7}

b. {2;3;4;8,9;10}

c. {2;3;4;5;6;7;8,9;10}

d. {5;6;7;8,9;10}

2. De acuerdo al siguiente diagrama, la operación k U L corresponde a:



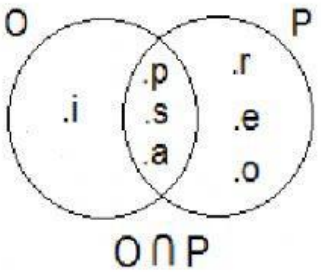
a. {15;16;22}

b. {15;16;17;21;22}

c. {17;18;19;20;21;22}

d. {15;16;17;18;19;20;21;22}

3.En el diagrama la Intersección O ∩ P



a. {p}

b. {p; s; a}

c. {p; a}

d. {s; a}

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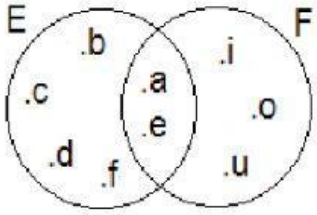
4. En el diagrama, hallar E - F



a. {b; d; f}

b. {b; c}

c. {d; f}

d. {b; c; d; f}

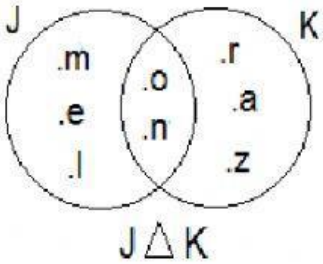
5. De acuerdo al diagrama, hallar J Δ K

a. {m, r; a; z}

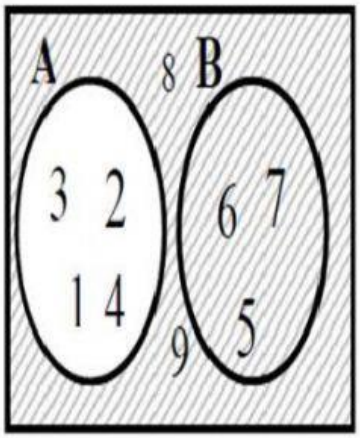
b. {m, e; l; r; a; z}

c. {e; l; r}

d. {r; a; z}



6. Dado el conjunto Universal: {1,2,3,4,5,6,7,8,9}, el conjunto A: {1,2,3,4} y el conjunto B: {5,6,7} hallar la Complemento de A´



a. {5,6,7}

b. {5,6,7,8,9}

c. {1,2,3,4}

d. {1,2,6,7}

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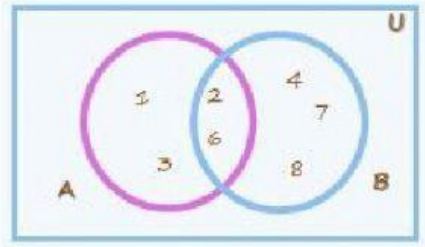
7. Dado el siguiente grafico donde el Conjunto A: {1,2,3,6} y el Subconjunto B: {2,4,6,7,8} hallar la Unión de A y B



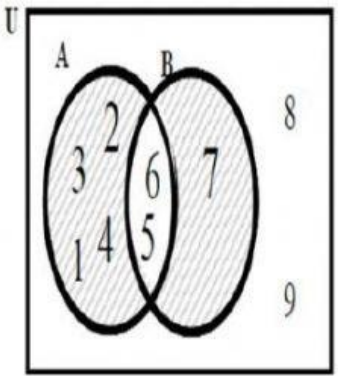
a. A U B: {1,2,3,4,6,7,8}

b. A U B: {1,2,3,4,5,6,7,8}

c. A U B: {1,2,3,6}

d. A U B: {2,4,6,7,8}

8. Dado el conjunto Universal: {1,2,3,4,5,6,7,8,9}, el conjunto A: {1,2,3,4,5,6} y el conjunto B: {5,6,7} hallar la diferencia simétrica de A y B



a. A Δ B = {5,6,7}

b. A Δ B = {5,6}

c. A Δ B = {8,9}

d. A Δ B = {1,2,3,4,7}

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9. Emparejar

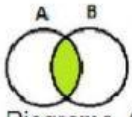

Diagrama. 1

Complemento de A´

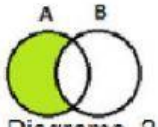

Diagrama. 2

Unión: A U B

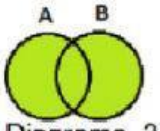

Diagrama. 3

Diferencia: A-B

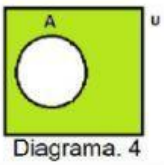

Diagrama. 4

Intersección. A ∩ B

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