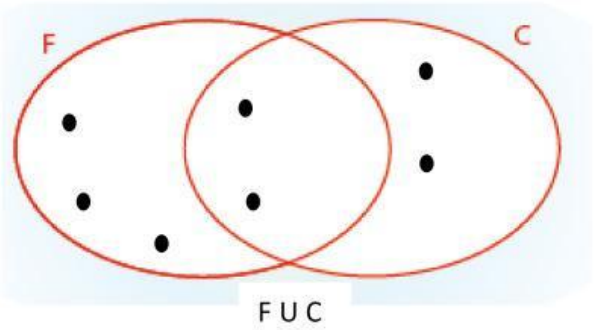
PRACTICAMOS OPERACIONES CON CONJUNTOS

Recuerda: Al resolver cada actividad debes ordenar los elementos de menor a mayor.

1. Sean: F = {1; 2; 3; 4; 5}
   C = {2; 4; 6; 8}

   Hallar: F ∪ C = { _____ }

   Gráficamente:

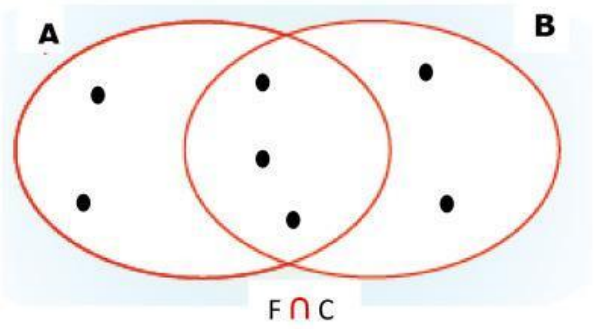


F U C

2. Sean: A = {4; 6; 8; 10; 12}
   B = {4; 8; 12; 16; 20}

   Halla A ∩ B = { _____ }

   Gráficamente:



F ∩ C

3. Sean los conjuntos:

   A = {1; 3; 5; 7}
   B = {2; 4; 6; 8}
   C = {3; 4; 5; 6}

   Halla: (A ∩ C) ∪ (B ∩ C)

   A ∩ C = { _____ }

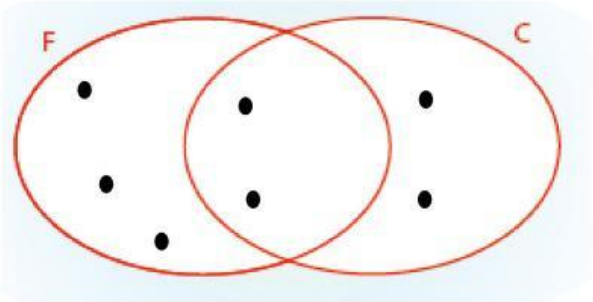
   B ∩ C = { _____ }

   (A ∩ C) ∪ (B ∩ C) = { _____ }

4. Sean: F = {0; 1; 2; 3; 4}
C = {2; 4; 6; 8}

Hallar: F - C = { _____ }

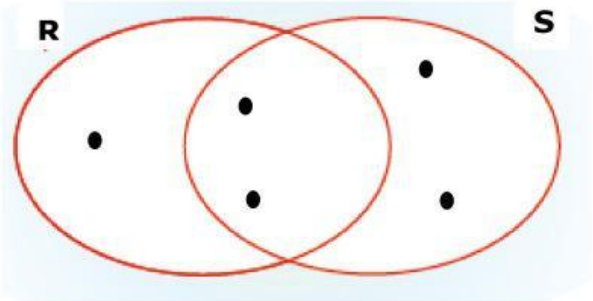
Gráficamente:



5. Sean: R = {8; 10; 12}
S = {4; 8; 12; 16}

Halla S - R = { _____ }

Gráficamente:



6. Sean los conjuntos:

$M = \{x \in \mathbb{N} / x < 4\}$ M = { _____ }

$N = \{x \in \mathbb{N} / x \text{ es impar} \wedge x < 10\}$ N = { _____ }

$D = \{x + 5 / x \in \mathbb{N}, 2 \leq x < 6\}$ D = { _____ }

Halla: (M - N) U (D - N)

M - N = { _____ }

D - N = { _____ }

(M - N) U (D - N) = { _____ }