



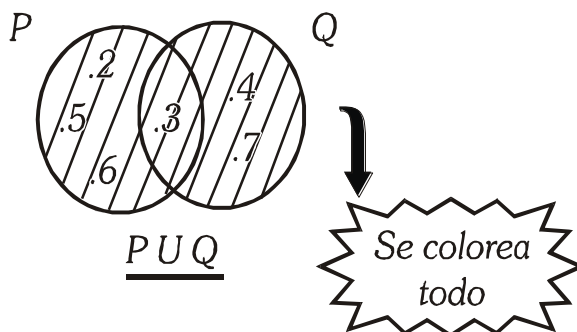
OPERACIONES ENTRE CONJUNTOS

A. Unión (\cup): Conjunto formado por todos los elementos de dos o más conjuntos, sin repetirlos.

$$P = \{2; 3; 5; 6\}$$

$$Q = \{3; 4; 7\}$$

$$P \cup Q = \{2; 3; 4; 5; 6; 7\}$$

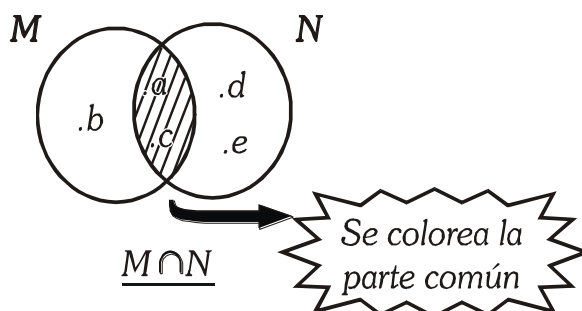


B. Intersección (\cap): Conjunto formado por todos los elementos comunes de dos o más conjuntos.

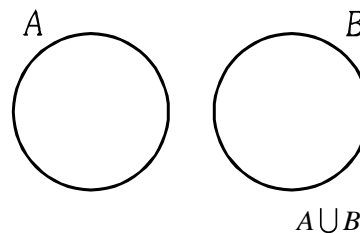
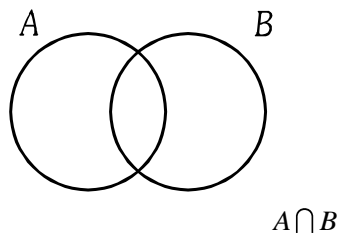
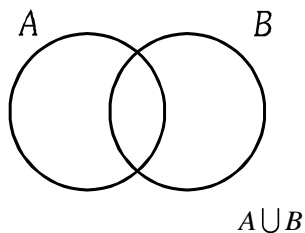
$$M = \{a, b, c\}$$

$$N = \{a, c, d, e\}$$

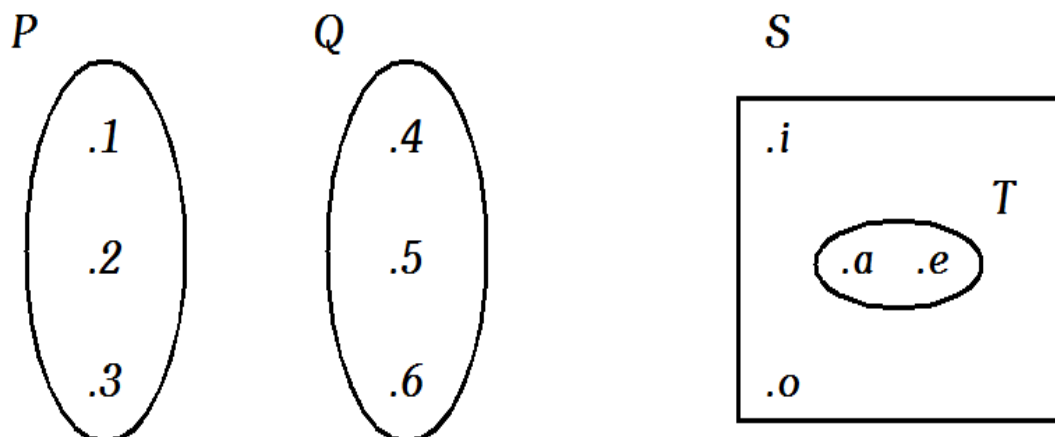
$$M \cap N = \{a, c\}$$



II. Colorea:



III. Completa:



$P = \{ \underline{\hspace{2cm}} \}$

$S = \{ \underline{\hspace{2cm}} \}$

$Q = \{ \underline{\hspace{2cm}} \}$

$T = \{ \underline{\hspace{2cm}} \}$

$P \cup Q = \{ \underline{\hspace{2cm}} \}$

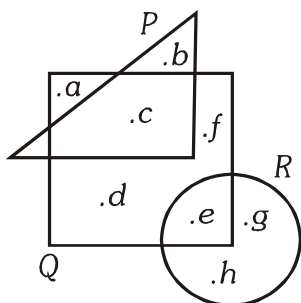
$S \cup T = \{ \underline{\hspace{2cm}} \}$

$P \cap Q = \{ \underline{\hspace{2cm}} \}$

$S \cap T = \{ \underline{\hspace{2cm}} \}$

REPASEMOS LO APRENDIDO

I. Observa el diagrama y completa:



$P = \{ \underline{\hspace{2cm}} \}$

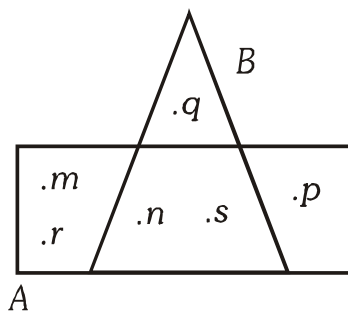
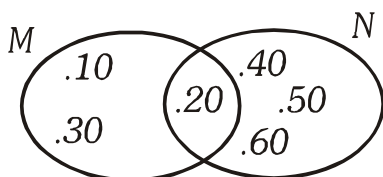
$Q = \{ \underline{\hspace{2cm}} \}$

$R = \{ \underline{\hspace{2cm}} \}$

Coloca ó

- | | |
|-----------|-----------|
| a _____ P | a _____ Q |
| b _____ P | b _____ Q |
| d _____ Q | h _____ P |
| c _____ R | e _____ Q |
| f _____ P | |

II. Completa:



$$M = \{ \underline{\hspace{2cm}} \} \quad A = \{ \underline{\hspace{2cm}} \}$$

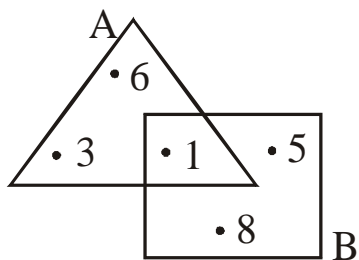
$$N = \{ \underline{\hspace{2cm}} \} \quad B = \{ \underline{\hspace{2cm}} \}$$

$$M \cup N = \{ \underline{\hspace{2cm}} \} \quad A \cup B = \{ \underline{\hspace{2cm}} \}$$

$$M \cap N = \{ \underline{\hspace{2cm}} \} \quad A \cap B = \{ \underline{\hspace{2cm}} \}$$

repasamos

1. Observa el diagrama y coloca los elementos de los conjuntos A y B.



$$A = \{ \hspace{2cm} \}$$

$$B = \{ \hspace{2cm} \}$$

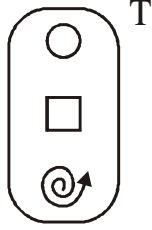
2. Determina por extensión:






$$R = \{ x / x \text{ los meses del año} \} \quad R = \{ \hspace{2cm} \}$$

$$M = \{ x \in \mathbb{R} / 5 < x \leq 13 \} \quad M = \{ \hspace{2cm} \}$$

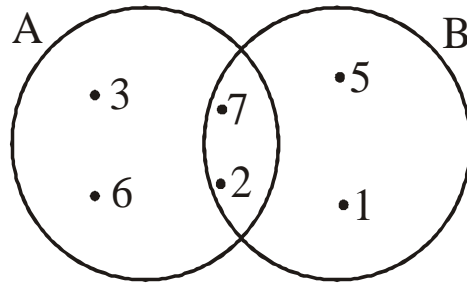
3. Dado el conjunto R; coloca en:

- 
- 
- 



-  _____ T
-  _____ T
-  _____ T
-  _____ T
-  _____ T

4. Según el gráfico:



- $A = \{ \quad \quad \quad \}$
- $B = \{ \quad \quad \quad \}$
- $A \cup B = \{ \quad \quad \quad \}$
- $A \cap B = \{ \quad \quad \quad \}$