OPERACIONES DE CONJUNTOS

LOGICO MATEMATICO

A. **_Unión ():_** *Conjunto formado por los elementos de dos o más conjuntos, sin repetirlos.*

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

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

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

P Q

.2

.5 .3 .4

.6 .7

$\underline{P \cup Q}$

Se colorea todo
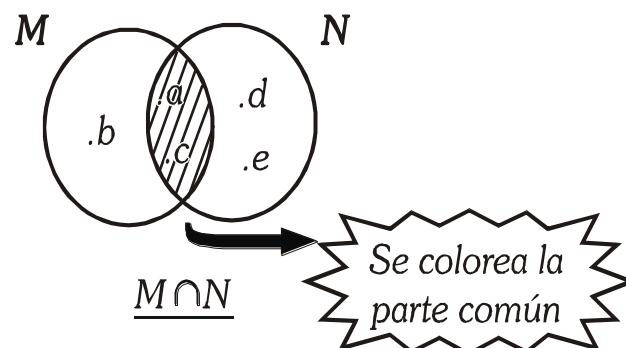
B. _Intersección ():_ *Conjunto formado por los elementos comunes de dos ó más conjuntos.*
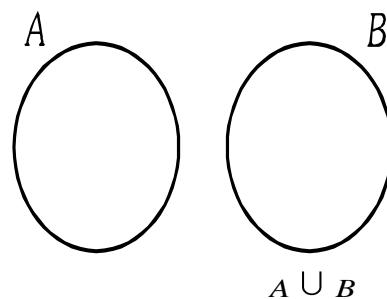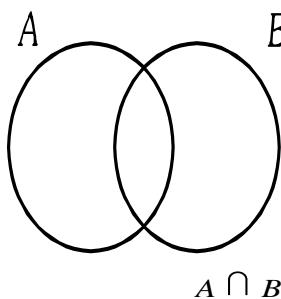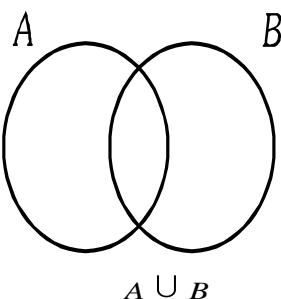
$M = \{ a, b, c \}$

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

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

M N

.a .d

.b .c .e

$\underline{M \cap N}$

Se colorea la parte común

II. *Colorea:*

A B

$A \cup B$

A B

$A \cap B$

A B

$A \cup B$

III. *Completa:*

P   Q   S

.1   .4   .i   T

.2   .5   .a   .e

.3   .6   .o

P = { _____   S = { _____

Q = { _____   T = { _____

P   Q = { _____   S   T = { _____

P   Q = { _____   S   T = { _____
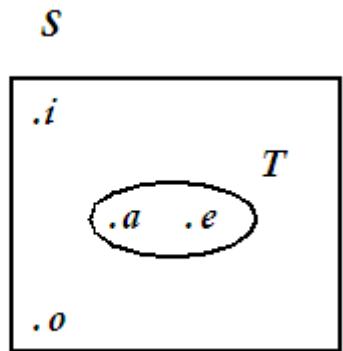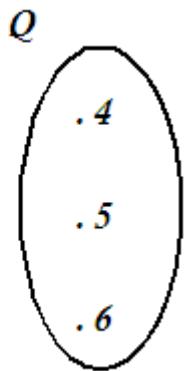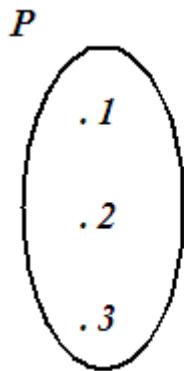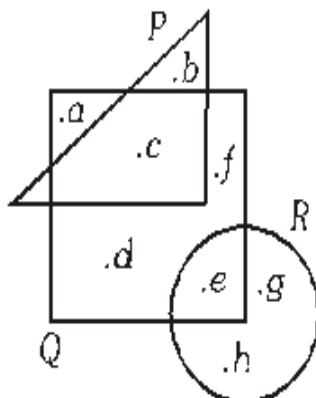
REPASEMOS LO APRENDIDO

I. *Observa el diagrama y completa:*

P = { _____ }

Q = { _____ }

R = { _____ }

Coloca $\in$ **ó** $\notin$

a _____ P   a _____ Q   b _____ P

b _____ Q   d _____ Q   h _____ P

c _____ R   e _____ Q   f _____ P

II. Completa:

M = { _____

N = { _____

M ∪ N = { _____

M ∩ N = { _____

A = { _____

B = { _____

A ∪ B = { _____

A ∩ B = { _____