



EJERCICIOS DE MATEMÁTICA

Descarga Gratis Fichas de Matemática para Inicial, primaria y Secundaria

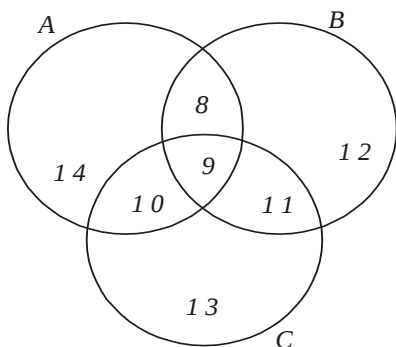


Operaciones con Conjuntos

PRACTIQUEMOS



1. Dados los conjuntos. Hallar:



$A = \{ \text{ } \}$ 

$B = \{ \text{ } \}$

$C = \{ \text{ } \}$



$A \cup B = \{ \text{ } \}$

$A \cup C = \{ \text{ } \}$

$B \cup C = \{ \text{ } \}$

$A \cup B \cup C = \{ \text{ } \}$

2. Dados los conjuntos, efectúa y grafica:

$C = \{0 ; 2 ; 4 ; 6\}$

$D = \{1 ; 3 ; 5\}$

$C \cup D = \{ \text{ } \}$



3. Dados los conjuntos:

$M = \{1 ; 2 ; 3 ; 4 ; 5 ; 6\}$

$N = \{3 ; 5 ; 6\}$

$P = \{8 ; 9 ; 10\}$

$Q = \{8 ; 9 ; 10 ; 11 ; 12\}$

➤ Hallar y gráfica:

$$M \cup N =$$

$$N \cup P =$$

$$P \cup Q =$$

$$M \cup P =$$

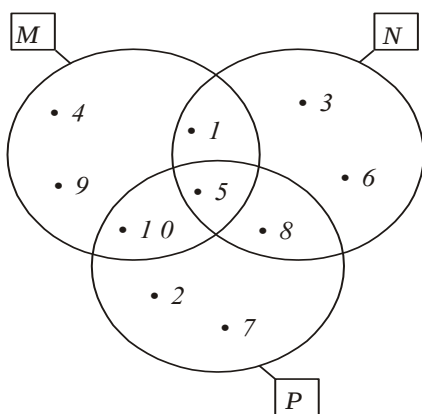
$$M \cup Q =$$

$$Q \cup N =$$

PRACTIQUEMOS



1. Dados los conjuntos. Hallar:



$$M = \{ \text{-----} \}$$

$$N = \{ \text{-----} \}$$

$$P = \{ \text{-----} \}$$

$$M \cap N = \{ \text{-----} \}$$

$$N \cap P = \{ \text{-----} \}$$

$$M \cap P = \{ \text{-----} \}$$

$$M \cap N \cap P = \{ \text{-----} \}$$

2. Dados los conjuntos, efectúa y gráfica:

$$A = \{5 ; 6 ; 7 ; 8\}$$

$$B = \{6 ; 9 ; 12 ; 15\}$$

3. Dados los conjuntos:

$$C = \{1 ; 2 ; 3 ; 4\}$$

$$D = \{3 ; 5 ; 7\}$$

$$E = \{8 ; 9 ; 11\}$$

$$F = \{3 ; 4 ; 5 ;$$

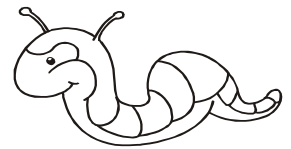
$$9\}$$

➤ Hallar y graficar:

$$D \cap F =$$

$$D \cap E =$$

$$E \cap F =$$



$$E \cap C =$$

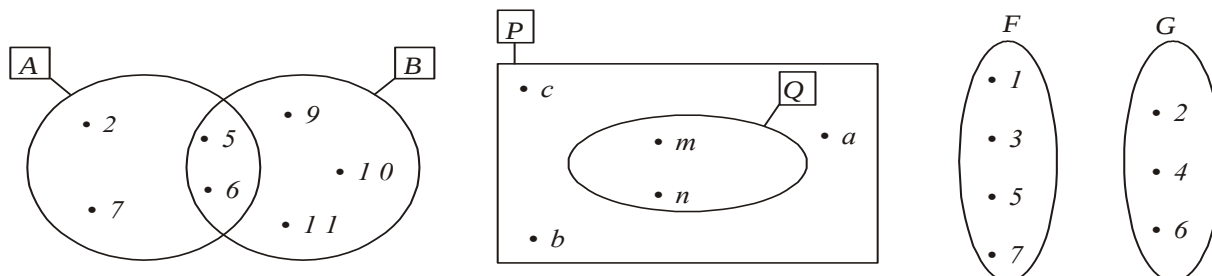
$$D \cap C =$$

$$C \cap F =$$



PRACTIQUEMOS

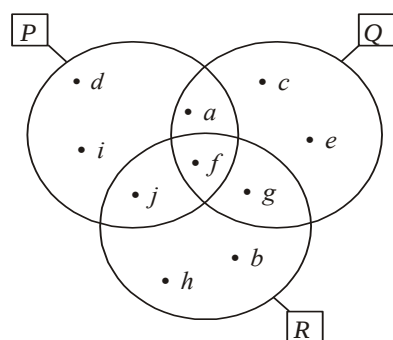
1. Observa los diagramas y resuelve:



$$A - B = \{ \quad \quad \quad \} \quad P - Q = \{ \quad \quad \quad \} \quad F - G = \{ \quad \quad \quad \}$$

$$B - A = \{ \quad \quad \quad \} \quad Q - P = \{ \quad \quad \quad \} \quad G - F = \{ \quad \quad \quad \}$$

2. Dados los conjuntos. Hallar:



$$P = \{ \quad \quad \quad \}$$

$$Q = \{ \quad \quad \quad \}$$

$$R = \{ \quad \quad \quad \}$$

$$P - Q = \{ \quad \quad \quad \}$$

$$R - Q = \{ \quad \quad \quad \}$$

$$P - R = \{ \quad \quad \quad \}$$

$$Q - P = \{ \quad \quad \quad \}$$

3. Dados los conjuntos:

$$A = \{2 ; 4 ; 6 ; 8\} \quad B = \{1 ; 2 ; 3 ; 4\} \quad C = \{6; 7 ; 8\} \quad D = \{4; 6; 8; 9\}$$

4. Si:

$$P = \{1 ; 2 ; 3 ; 4 ; 5\}$$

$$Q = \{1 ; 4 ; 5 ; 6 ; 7\}$$

¿Cuántos elementos tiene?

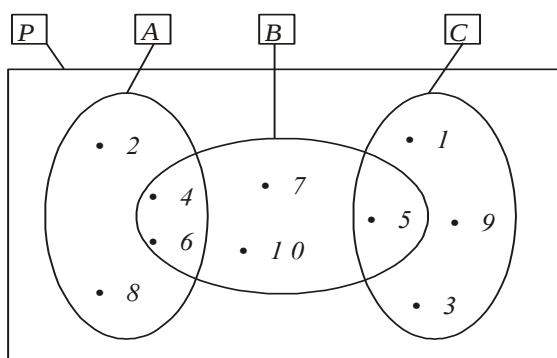
$$P \cup Q = \underline{\hspace{2cm}}$$

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

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



5. Dado el diagrama adjunto.



Hallar:

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

$$A - B = \{ \underline{\hspace{2cm}} \}$$

$$B \cap C = \{ \underline{\hspace{2cm}} \}$$

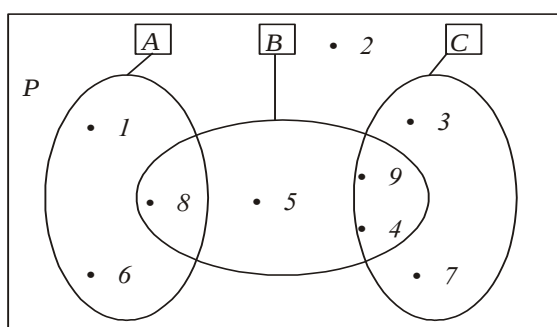
$$C - B = \{ \underline{\hspace{2cm}} \}$$

$$A - C = \{ \underline{\hspace{2cm}} \}$$

$$A \cap B \cap C = \{ \underline{\hspace{2cm}} \}$$



6. Dado el diagrama, determinar V si es verdadero y F si es falso.



$$A \cap B = \{ 8 ; 5 \} \quad (\quad)$$

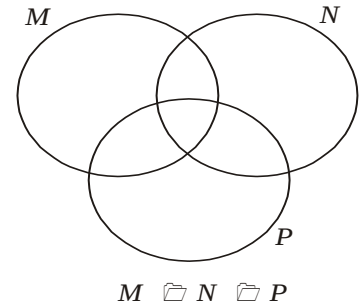
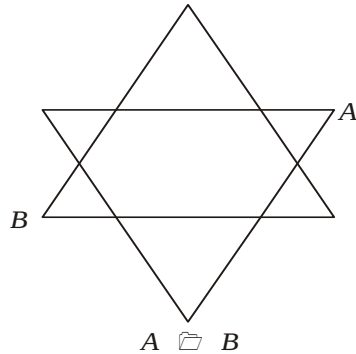
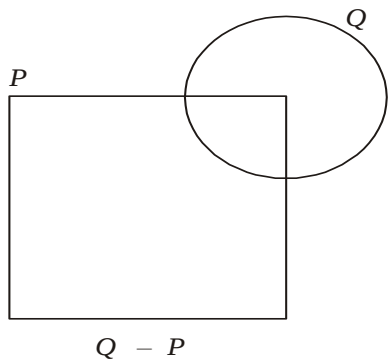
$$B \cap C = \{ 4 ; 9 \} \quad (\quad)$$

$$A \cap C = \phi \quad (\quad)$$

$$A - C = \{ 1 ; 6 \} \quad (\quad)$$

$$C - B = \{ 3 ; 7 \} \quad (\quad)$$

7. Colorea:



8. Si: $F = \{x \in \mathbb{R} / 10 < x < 15\}$

$G = \{x \in \mathbb{R} / 5 < x \leq 12\}$

Hallar:

$F \cup G = \{ \text{-----} \}$

$F \cap G = \{ \text{-----} \}$

$F - G = \{ \text{-----} \}$

$G - F = \{ \text{-----} \}$

