



EXAMEN BIMESTRAL DE ARITMÉTICA

INSTITUCIÓN EDUCATIVA PRIVADA
"SEMILLITAS DE VIDA"

PROFESORA: AILY MELISSA GUTARRA BONIFAZ



1. DETERMINA POR EXTENSIÓN EL CONJUNTO: (marca la respuesta correcta)

$$A = \{x \in \mathbb{N} / 3 < x < 12, x \text{ es par}\}$$

A por extensión es:

- a) {2; 4; 6; 8; 10; 12}
- b) {4; 6; 8; 10}
- c) {6; 8; 10; 12}
- d) {4; 6; 8; 10; 12}
- e) {6; 8; 10}

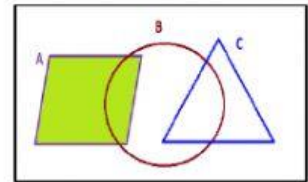
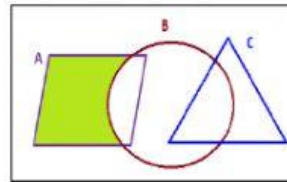
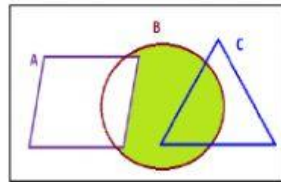
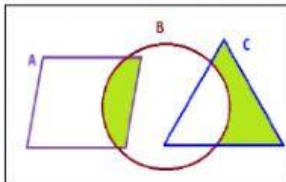
2. DETERMINA POR EXTENSIÓN EL CONJUNTO: (marca la respuesta correcta)

$$A = \{x \in \mathbb{N} / x \leq 5\}$$

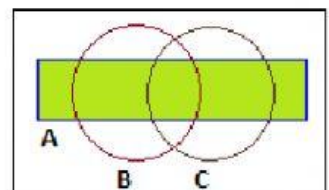
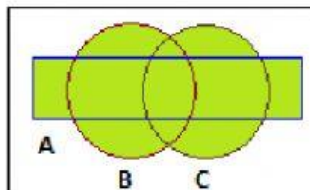
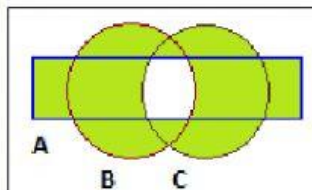
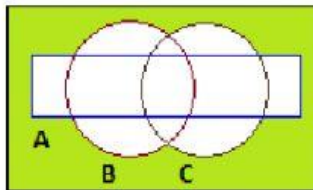
A por extensión es:

- a) {1, 1; 3; 4}
- b) {1, 2; 3; 4}
- c) {4; 5; 6}
- d) {1, 2; 3; 4; 5}
- e) {2; 3; 4; 5}

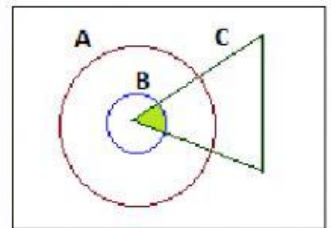
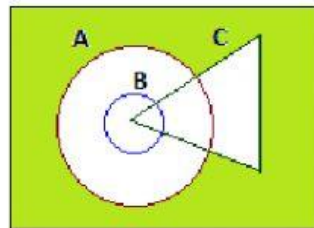
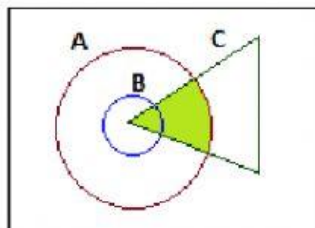
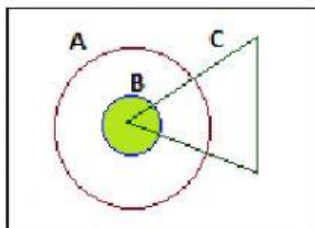
3. DIFERENCIA DE CONJUNTOS (pula el grafico que represente $A - B$)



4. UNIÓN DE CONJUNTOS. Pula el grafico que represente $(A \cup B \cup C)$



5. INTERSECCIÓN DE CONJUNTOS. Pula el grafico que represente $(A \cap B \cap C)$



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6. DIAGRAMAS DEL PRODUCTO CARTESIANO (relaciona cada nombre con su respectivo diagrama)

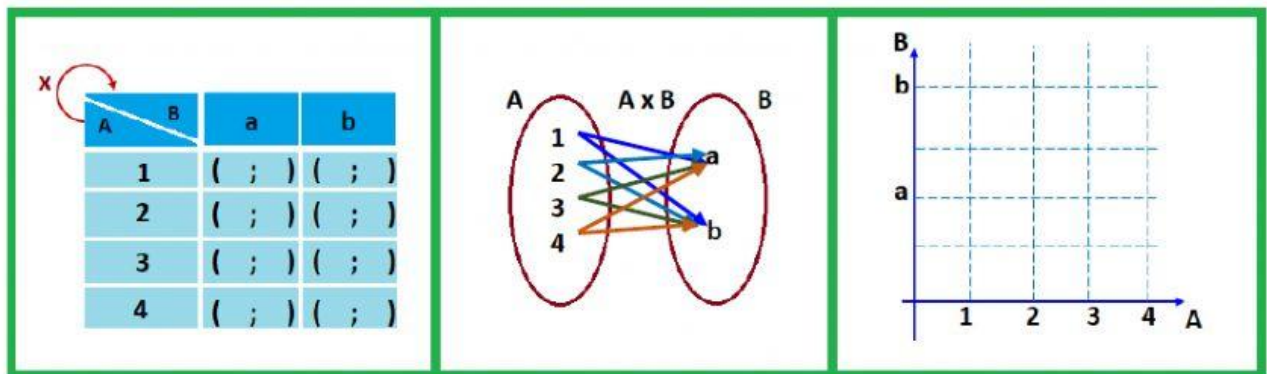
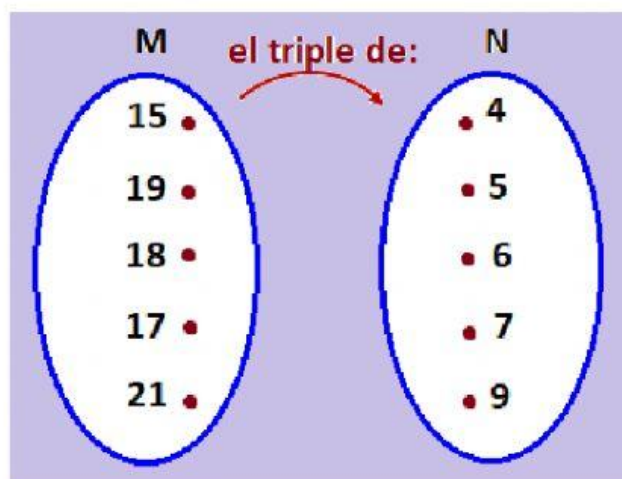


DIAGRAMA SAGITAL

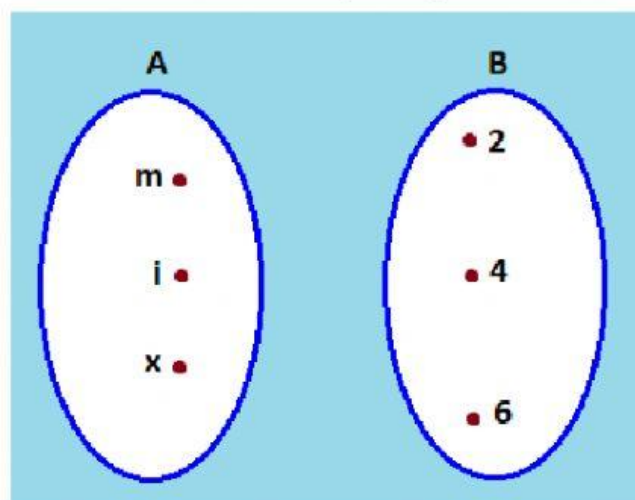
DIAGRAMA CARTESIANO

TABLA DE DOBLE ENTRADA

7. PRODUCTO CARTESIANO (indica con flecha la relación "el triple de")



8. ESCRIBE EL PRODUCTO CARTESIANO DE (A x B)



$A \times B = \{ (m, 2); (m, 4); (m, 6); (i, 2); (i, 4); (i, 6); (x, 2); (x, 4); (x, 6) \}$