



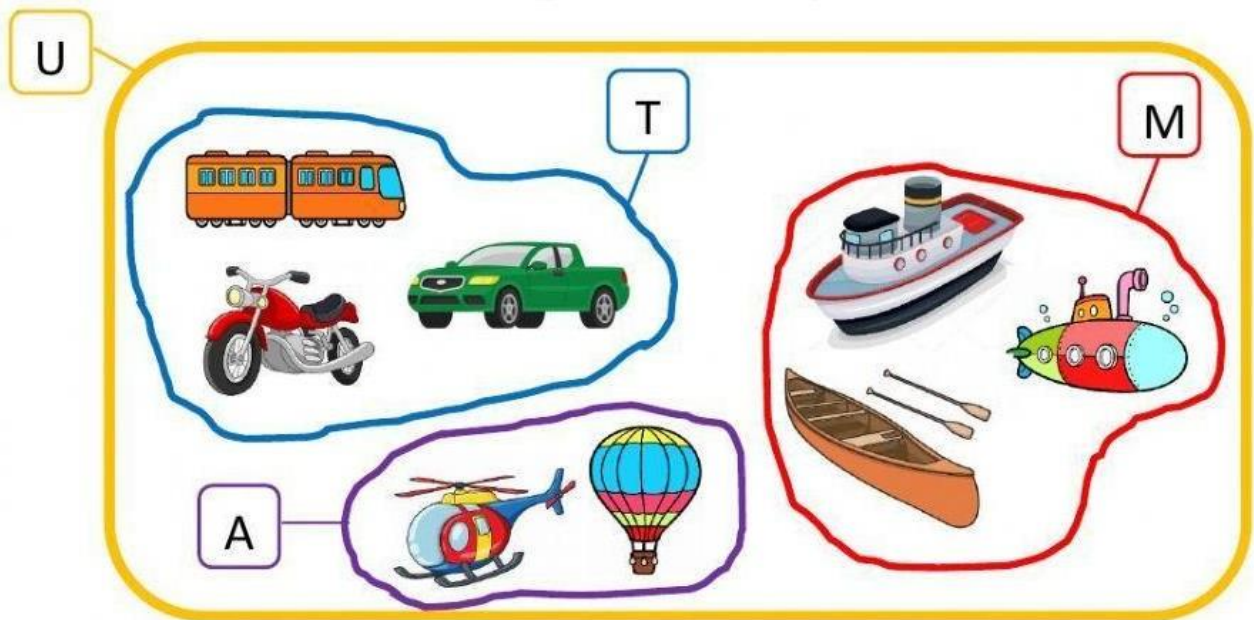
COLEGIO NACIONES UNIDAS I.E.D.
TALLER PREPARATORIO
I TRIMESTRE
MATEMÁTICAS 2°









This workshop must be copied and solved in the mathematics notebook, as a requirement to take the competency test.

DELIVERY DATE: APRIL 2nd - 2024

TEACHER: VIANNEY GAMBOA

1. Look at the sets and place the symbol \in and \notin as the case may be.



	_____	T		_____	T
	_____	M		_____	A
	_____	M		_____	M
	_____	A		_____	T

2. Write 3 elements that belong to each set.

H = {prendas de vestir}

H = { }

O = {elementos de una cartuchera}

O = { }

G = {animales de granja}

G = { }

T = {frutas}

T = { }

3. Given the sets A and B. Find union and intersection and represent it graphically.

$$A = \left\{ \text{apple}, \text{orange}, \text{watermelon slice}, \text{lime}, \text{pear} \right\} \quad B = \left\{ \text{apple}, \text{orange}, \text{cherries}, \text{lemon} \right\}$$

$A \cup B = \{ \}$

$A \cap B = \{ \}$

4. Given the following sets find the union and the intersection.

$L = \{a, e, i, o, u\}$

$M = \{m, u, r, c, i, e, l, a, g, o\}$

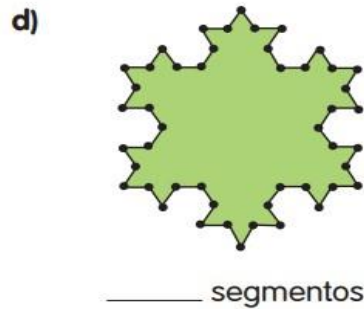
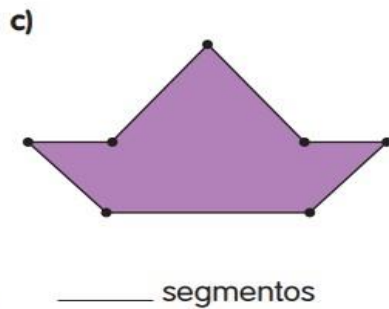
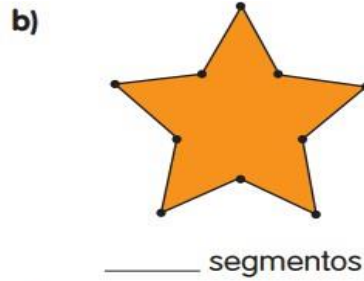
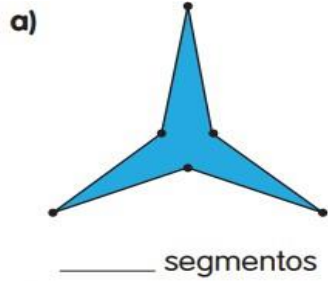
$L \cup M = \{ \}$

$L \cap M = \{ \}$

5. Go over the straight lines with blue, and the curves with green. Draw other details and complete the scene.



6. Count the number of segments.



7. Solve the next problems

a. En un almacén hay 139 chaquetas y 284 camisetas.

¿Cuántas prendas hay en total? Realiza el modelo de barras.



$$\boxed{} + \boxed{} = \boxed{}$$

En total hay prendas.

b. Un recolector de fruta recogió 459 manzanas en la mañana. En la tarde recogió 292.

¿Cuántas manzanas recogió en total? Realiza el modelo de barras.



$$\boxed{} + \boxed{} = \boxed{}$$

Recogió manzanas.

8. Solve the next mental calculations.

a. $59 + 40 =$ _____

d. $42 + 200 =$ _____

b. $37 + 100 =$ _____

e. $67 + 10 =$ _____

c. $28 + 30 =$ _____

f. $71 + 50 =$ _____

9. Add.

a) $102 + 367$

$$\begin{array}{r} + \\ \hline \end{array}$$

b) $400 + 214$

$$\begin{array}{r} + \\ \hline \end{array}$$

c) $623 + 275$

$$\begin{array}{r} + \\ \hline \end{array}$$

d) $430 + 363$

$$\begin{array}{r} + \\ \hline \end{array}$$

10. Subtract.

a) $286 - 23$

$$\begin{array}{r} 286 \\ - 23 \\ \hline \end{array}$$

b) $389 - 36$

$$\begin{array}{r} 389 \\ - 36 \\ \hline \end{array}$$

c) $437 - 15$

$$\begin{array}{r} 437 \\ - 15 \\ \hline \end{array}$$

d) $768 - 24$

$$\begin{array}{r} 768 \\ - 24 \\ \hline \end{array}$$