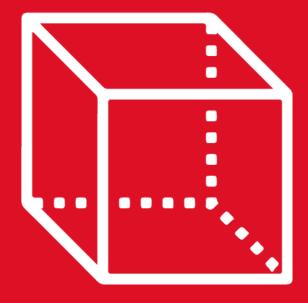


# GEOMETRÍA

1st secondary

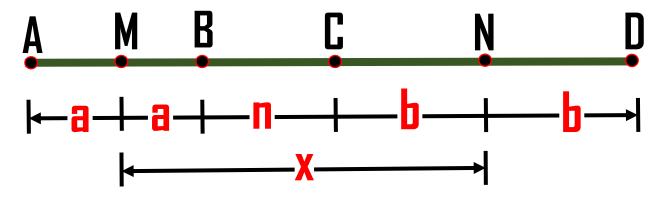


Asesoría





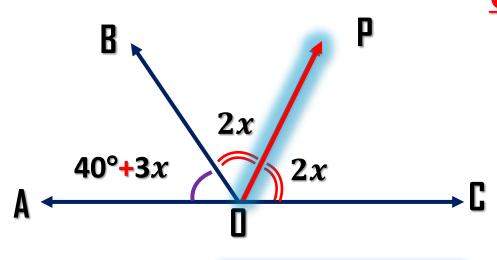
1.En el grafico mostrado, AC + BD = 24cm. Halle el valor de x.

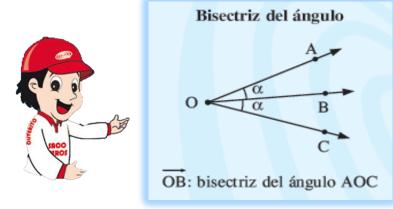


Dato: 
$$AC + BD = 24$$
  
 $2a + n + 2b = 24$   
 $2a + n + 2b = 24$   
 $a + n + b = 12$ 



# 2.En la figura halle el valor de X, si OP es bisectriz del <BOC





OP es bisectriz del 4BOC.

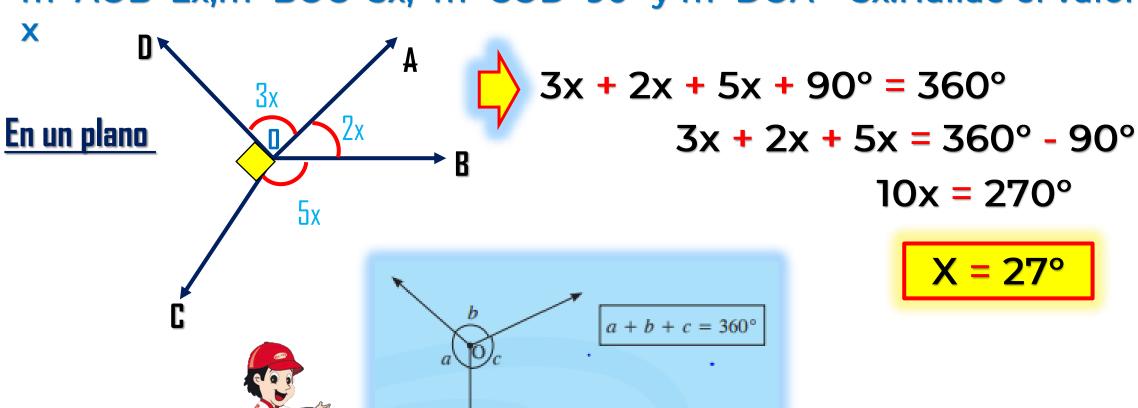
En la 
$$\overline{AC}$$
.  
 $40^{\circ} + 3x + 2x + 2x = 180^{\circ}$ 

$$7x = 140^{\circ}$$

$$x = 20^{\circ}$$



3.En un plano se trazan los rayos OA,OB,OC y OD, tal que m<AOB=2x,m<BOC=5x, m<COD=90° y m<DOA = 3x.Hallae el valor de





# 4.Si el suplemento de 2x es igual al cuádruple del complemento de 3x

$$S_{2x} = 4 \cdot C_{3x}$$

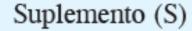
$$180^{\circ} - 2x = 4 \cdot (90 - 3x)$$

$$12x - 2x = 360 - 180^{\circ}$$

$$180^{\circ} - 2x = 360 - 12x$$

$$10x = 180^{\circ}$$

$$X = 18^{\circ}$$

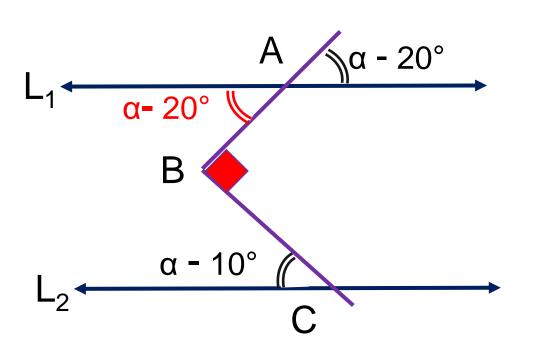




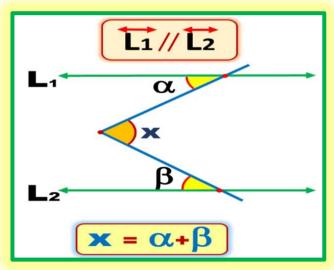
$$C_{\alpha} = 90^{\circ} - \alpha$$



# 5.En el gráfico L1 // L2, halle el valor de $\alpha$ , si m<B = 90°.







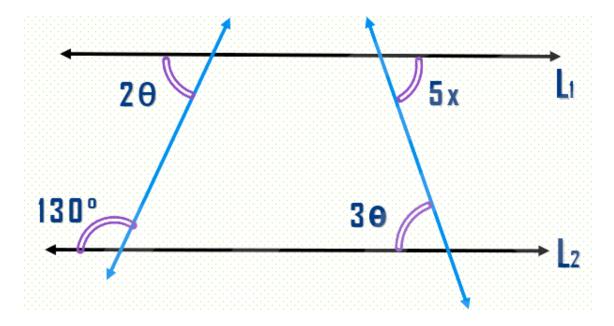


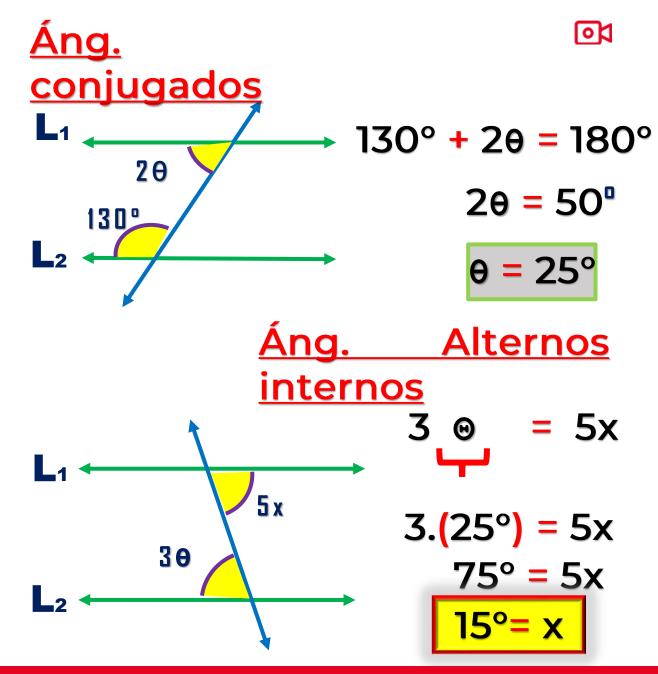
$$\alpha - 20^{\circ} + \alpha - 10^{\circ} = 90^{\circ}$$

$$2\alpha - 30^{\circ} = 90^{\circ}$$

$$2\alpha = 120^{\circ}$$

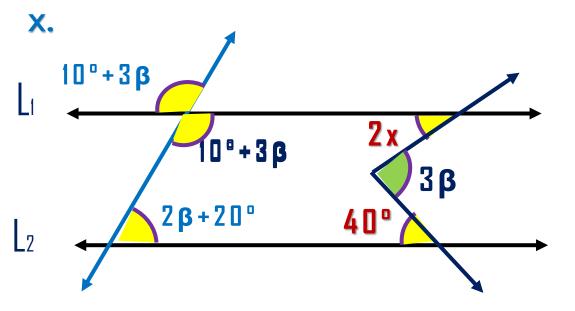








# 7. Si L1 // L2, halle el valor de



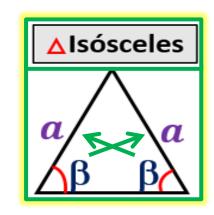
$$3\beta + 10 + 2\beta + 20^{\circ} = 180^{\circ}5\beta + 30^{\circ} = 180^{\circ}5\beta = 150^{\circ}$$

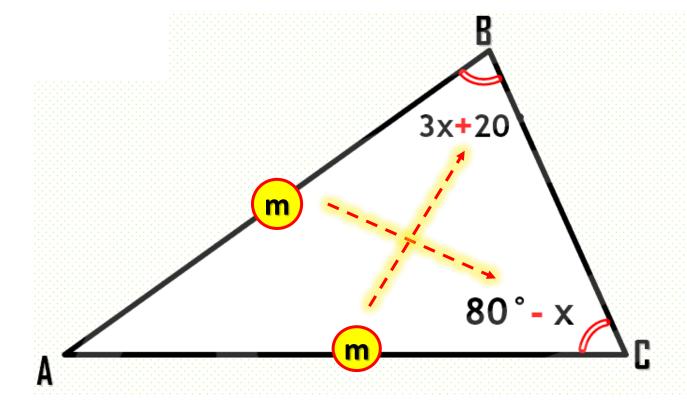
$$3 \beta = 2x + 46$$
 $3(30^{\circ} = 2x + 6)$ 
 $90^{\circ} = 40^{\circ}$ 
 $90^{\circ} = 2x + 6$ 
 $90^{\circ} = 2x + 6$ 
 $90^{\circ} = 2x + 6$ 

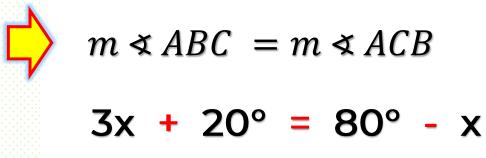
**0**1

# 8. En el gráfico AB=AC, halle el valor de x.







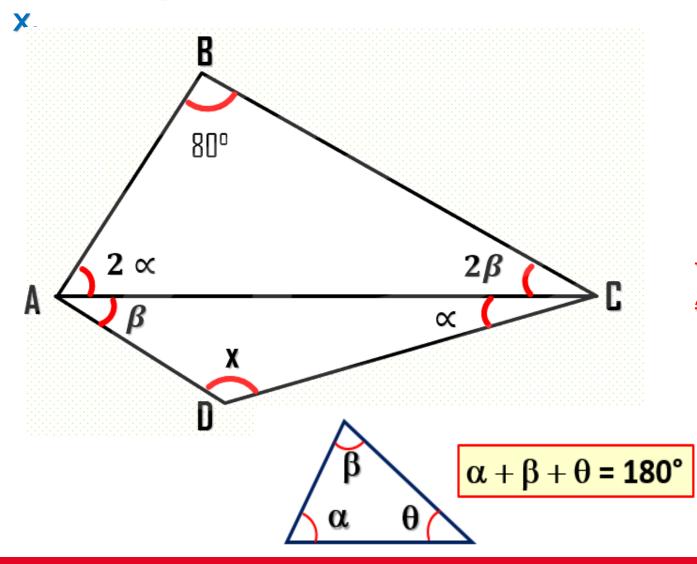


$$4x = 60^{\circ}$$

$$x = 15^{\circ}$$



# 9. En el gráfico, halle el valor de



En el 
$$\triangle$$
ABC
$$2 \times + 2 \beta + 80^{\circ} = 180^{\circ}$$

$$2 \times + 2 \beta = 100^{\circ}$$

$$\times + \beta = 50^{\circ}$$
En el  $\triangle$ 
ADC
$$\times + \beta + x = 180^{\circ}$$

$$50^{\circ} + x = 180^{\circ}$$

$$X = 130^{\circ}$$



## 10. En el gráfico, halle el valor de

