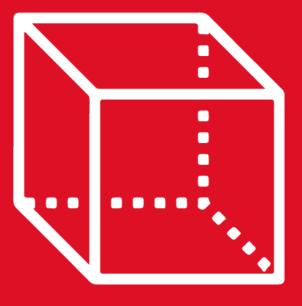


GEOMETRÍA

RETROALIMENTA CIÓN



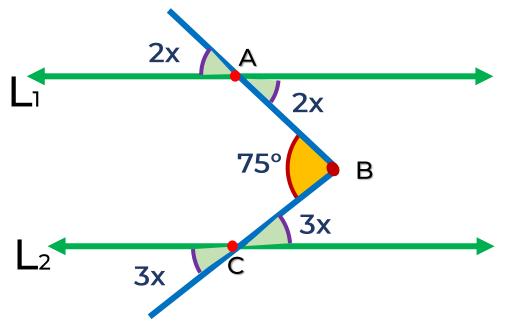
TOMO 2



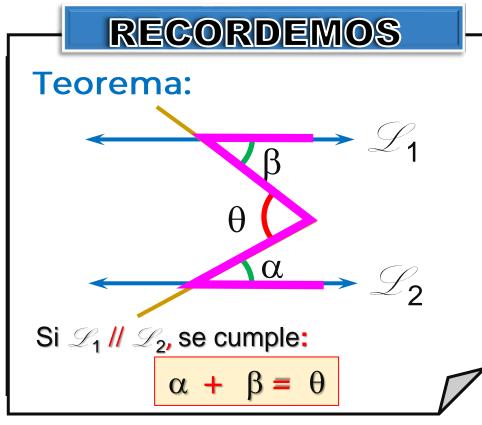




1. Si $\overrightarrow{L_1}/\!\!/\overrightarrow{L_2}$, halla el valor de x.







Resolución

Dato: $\overrightarrow{L_1} /\!\!/ \overrightarrow{L_2}$

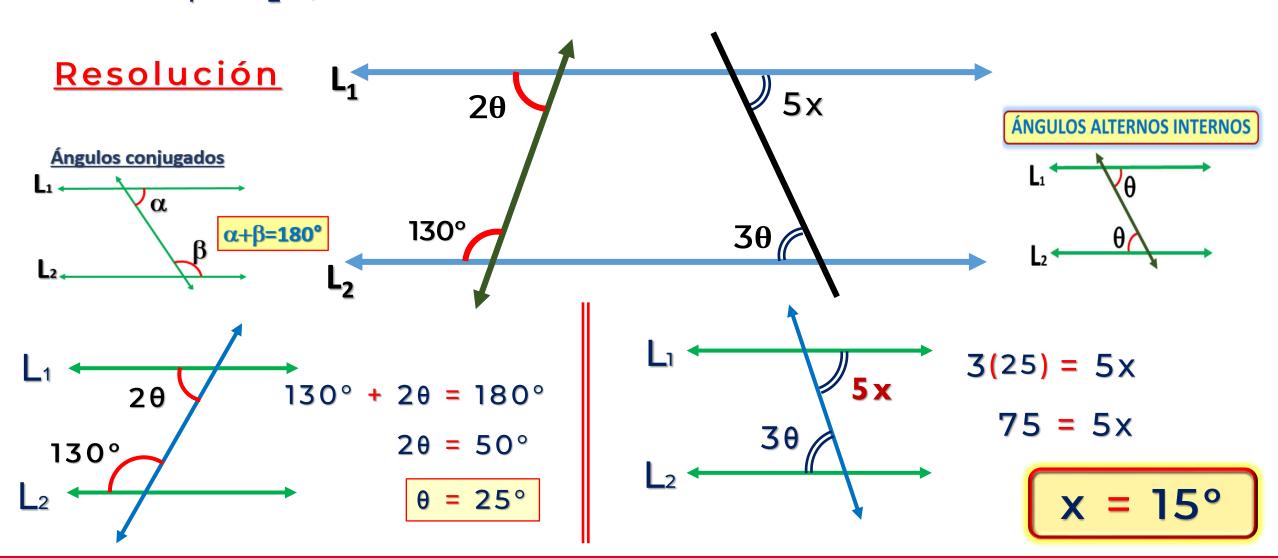
$$2x + 3x = 75^{\circ}$$

$$5x = 75^{\circ}$$

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



2. Si $\overrightarrow{L_1}/\!\!/\overrightarrow{L_2}$, halla el valor de x.

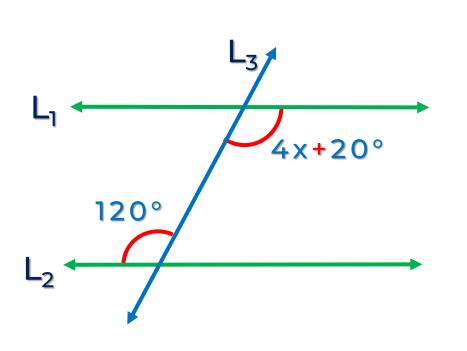




3. Se tiene dos rectas paralelas $\stackrel{\frown}{L_1}$ // $\stackrel{\frown}{L_2}$ y una recta secante $\stackrel{\frown}{L_3}$, formándose los ángulos alternos internos 4x + 20° y 120°, halle

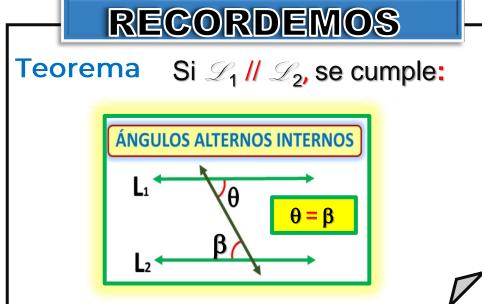
Resolución

le valor de x.









$$4x + 20^{\circ} = 120^{\circ}$$

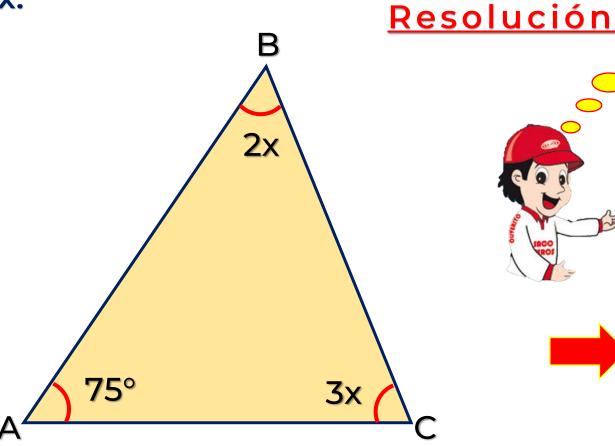
$$4x = 100^{\circ}$$

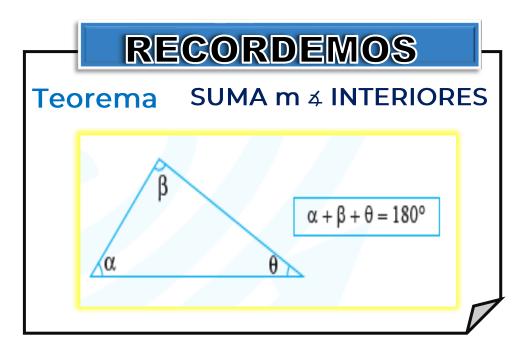
 $x = 25^{\circ}$



4. En el gráfico, halla el valor de







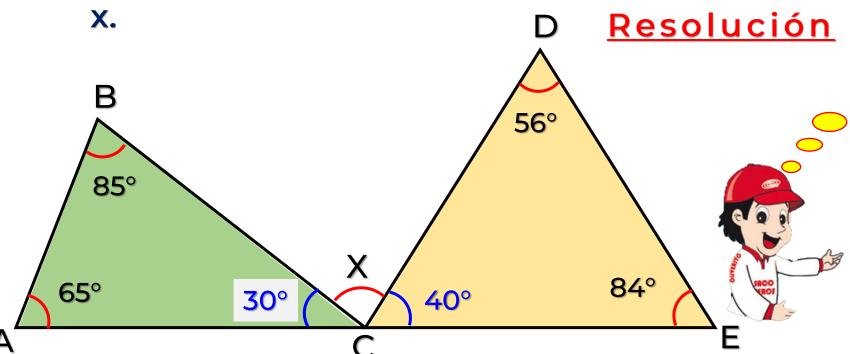
$$2x + 3x + 75^{\circ} = 180^{\circ}$$

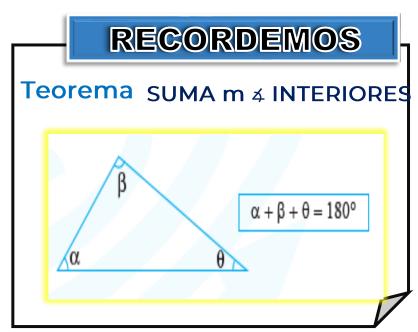
 $5x = 105^{\circ}$

 $x = 21^{\circ}$



5. En el gráfico, halla el valor de





• En el ∆ ABC

$$65^{\circ} + 85^{\circ} + \alpha = 180^{\circ}$$

$$\alpha$$
 = 30°

En el <u>A</u> CDE

$$56^{\circ} + 84^{\circ} + \beta = 180^{\circ}$$

$$\beta = 40^{\circ}$$

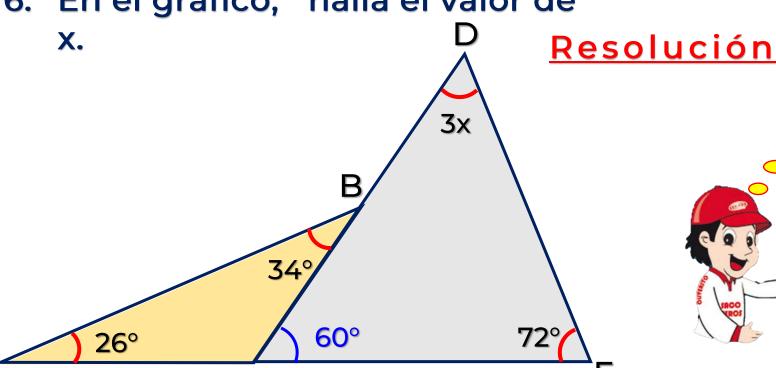
En el vértice C

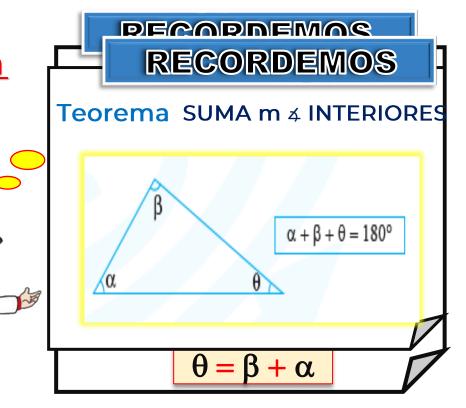
$$30^{\circ} + x + 40^{\circ} = 180^{\circ}$$

$$x = 110^{\circ}$$



6. En el gráfico, halla el valor de





En el A ABC

$$26^{\circ} + 34^{\circ} = \alpha$$

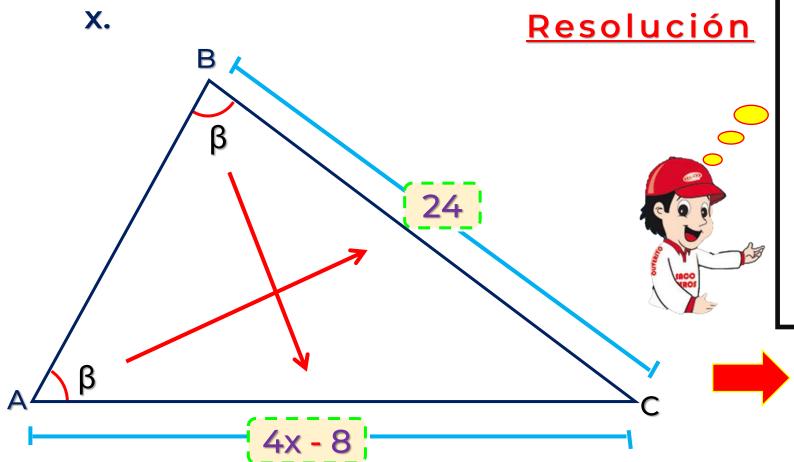
$$\alpha$$
 = 60°

$$60^{\circ} + 3 x + 72^{\circ} = 180^{\circ}$$

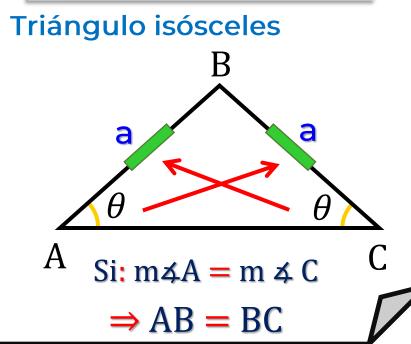
$$3 \times + 132^{\circ} = 180^{\circ}$$

$$3 x = 48^{\circ}$$

7. En el gráfico, halla el valor de







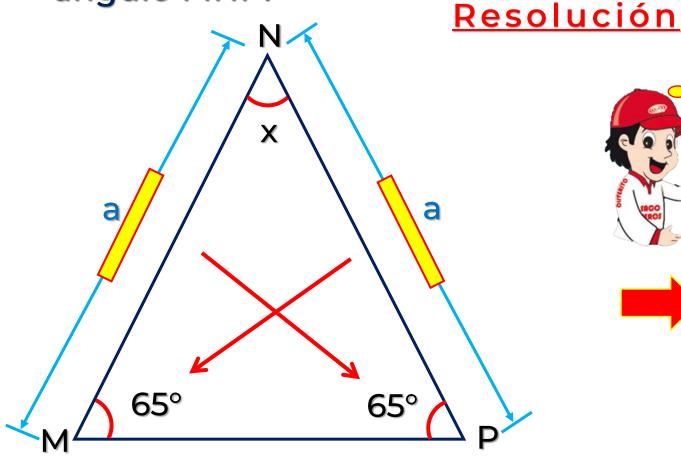
$$4x - 8 = 24$$

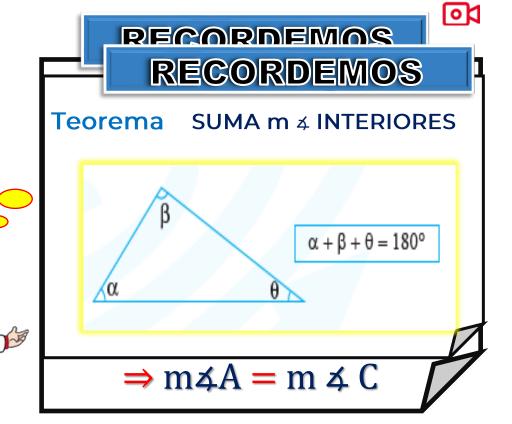
 $4x = 32$

$$x = 8$$

◎1

7. En un triángulo MNP; si MN = NP y m∢ NMP = 65°, halle el medida del ángulo MNP.





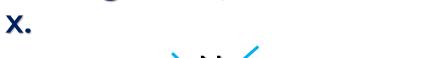
$$65^{\circ}+65^{\circ}+x=180^{\circ}$$

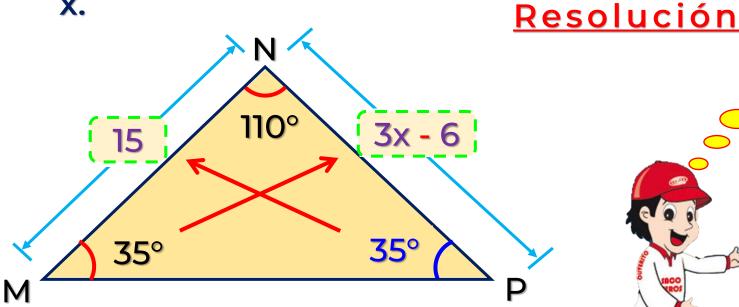
$$130^{\circ} + x = 180^{\circ}$$

 $x = 50^{\circ}$



9. En el gráfico, halla el valor de



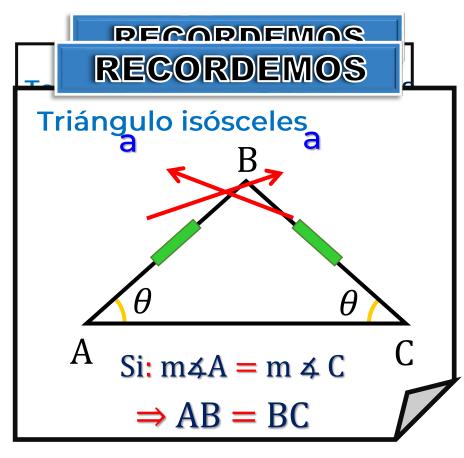




$$110^{\circ} + 35^{\circ} + \beta = 180^{\circ}$$





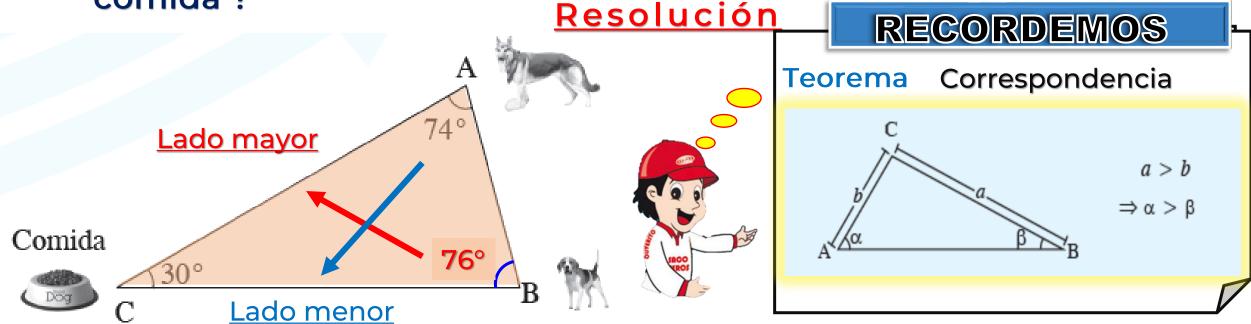


$$3x = 21$$



10. En la figura ¿cuál de los dos perros s encuentran mas lejos de su





En el ∆ ABC

$$30^{\circ} + 74^{\circ} + \alpha = 180^{\circ}$$

$$\alpha = 76^{\circ}$$

 El perro A se encuentra más lejos



