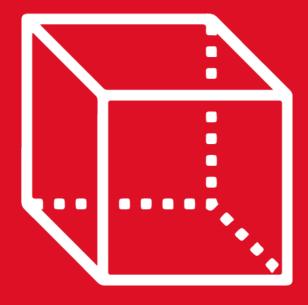


GEOMETRÍA

1st secondary



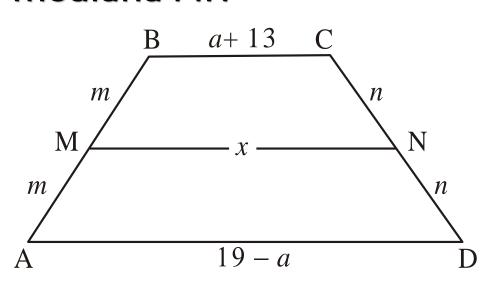
Asesoría

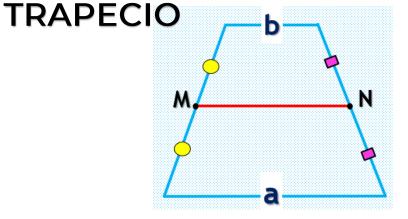




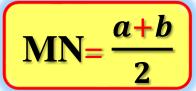
1. Si ABCD es un trapecio \overline{BC} // \overline{AD} , Calcular la longitud de la mediana.

Nos piden: La mediana MN





MN BASE MEDIA DEL

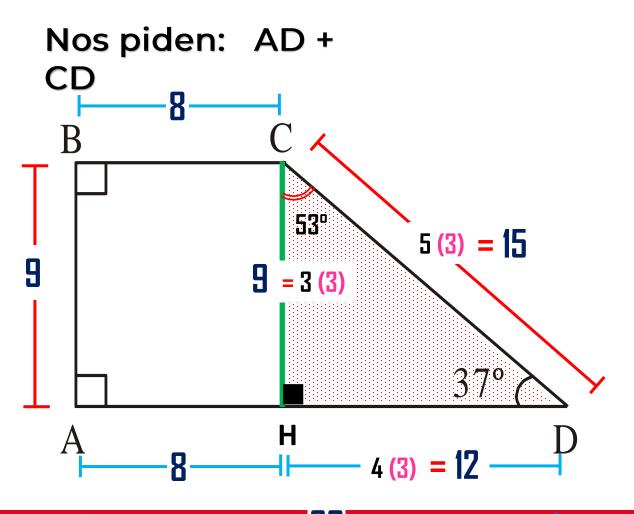




$$\begin{array}{c}
x = /\\
\underline{a+13+19-a}\\
x = 2\\
\underline{32}\\
x = \end{array}$$



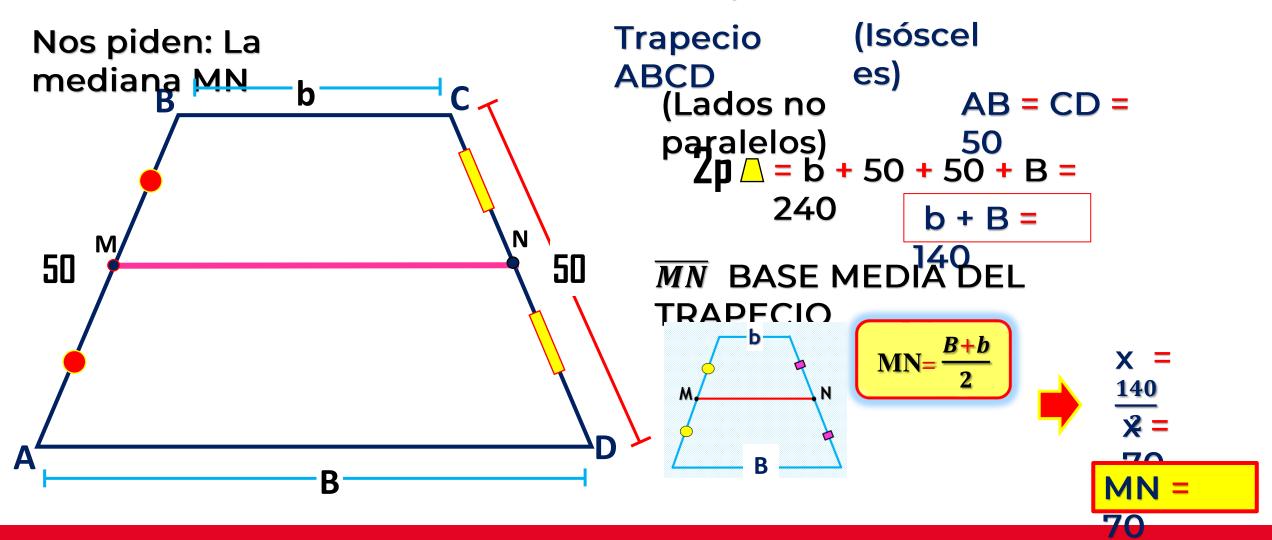
2.En el trapecio rectángulo ABCD es un trapecio \overline{BC} // \overline{AD} , AB= 9, BC= 8. Hallar: (AD+CD)



```
Se traza la altura
CH
En el rectángulo
ABCH
            (Notable 37° -
            53)
CHD
Ademas:
         AD = AH + HD
         AD = 8 + =
         12 20
AD + CD20 + 15=
                        35
```



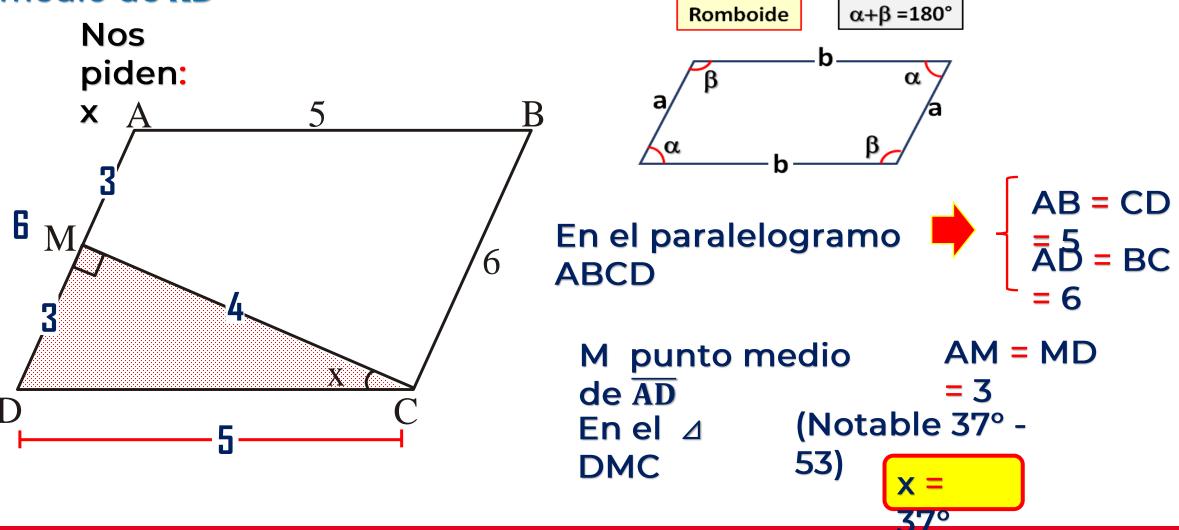
3.El perímetro de un trapecio isósceles es de 240, \overline{BC} // \overline{AD} . Calcular le medida de la mediana si cada lado no paralelo mide 50.





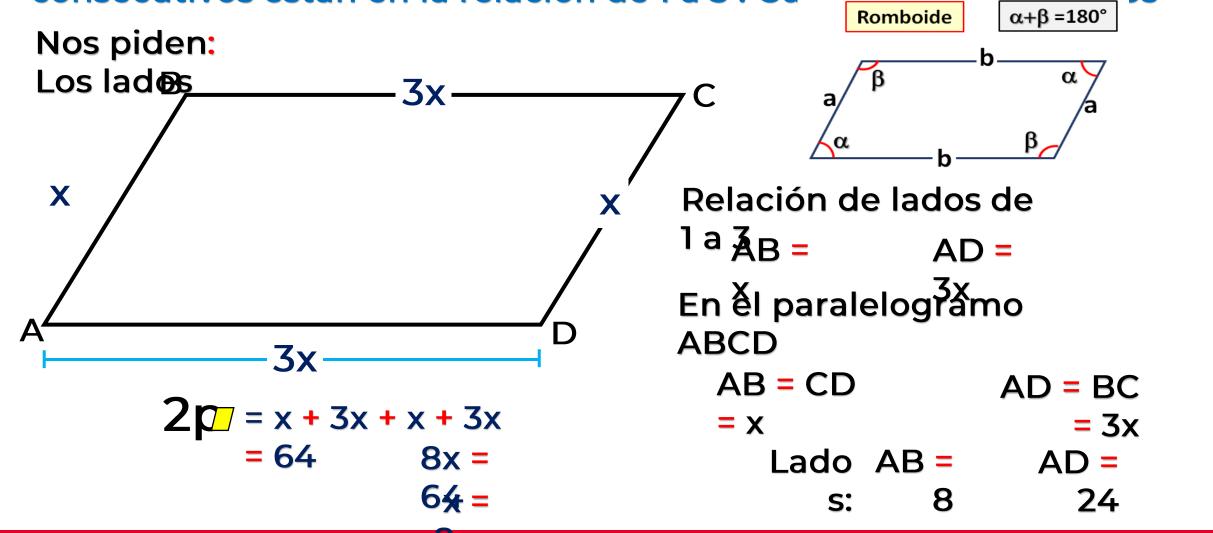
4.En el gráfico: ABCD es un romboide. Calcular x. M es punto

medio de \overline{AD}





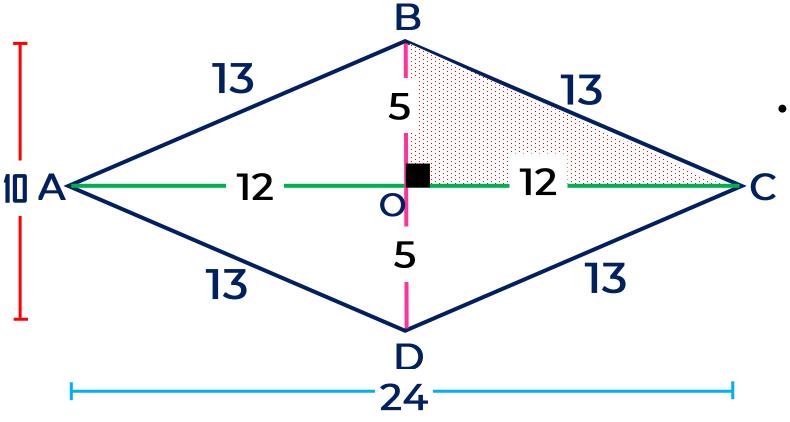
5. El perímetro de un paralelogramo es de 64 cm y dos de sus lados consecutivos están en la relación de 1 a 3. Cuanto miden los lados

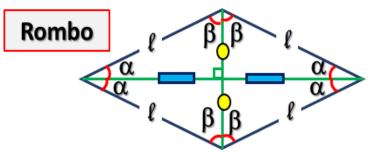




6. Calcular el perímetro de un rombo, si sus diagonales miden

10m y .24m Nos piden: Perímetro el rombo





· En el rombo

$$A0 = OC = 12 BO = OD = 5$$

En el
 △ CH(Teor. Pitágora:
 12² + 5² = BC²

$$2p \Rightarrow \frac{1}{3} + 13 + 13 + 13$$

 $2p \Rightarrow = 52 \text{ m}$

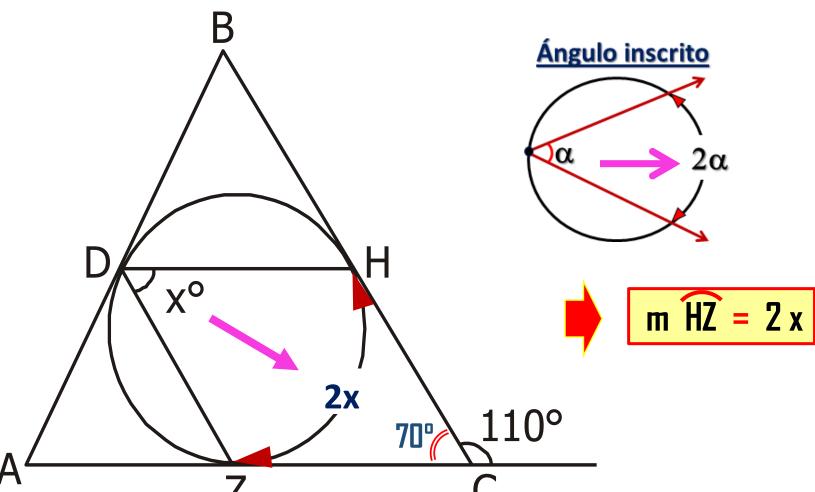


7.En el grafico, D, H, Z son puntos de tangencia, halle le valor

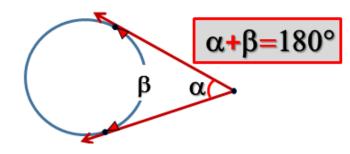
de x. Nos piden: x

En el vértice C

 $m < C + 110^{\circ} = 180^{\circ}$ $m < C = 70^{\circ}$



TEOREMA



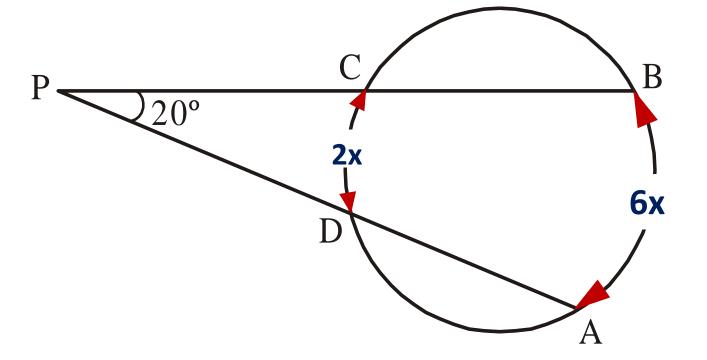
$$2 x + 70^{\circ} = 180^{\circ}$$

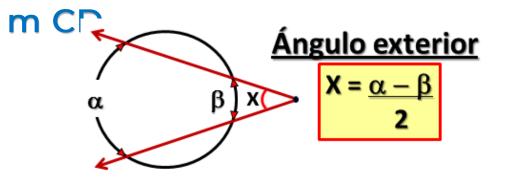
 $2 x = 110^{\circ}$
 $x = 55^{\circ}$



8.Del gráfico, calcular x, si m AB = 6x y m CC = 2x

Nos piden: x





$$20^{\circ} = \frac{6x - 2x}{2}$$

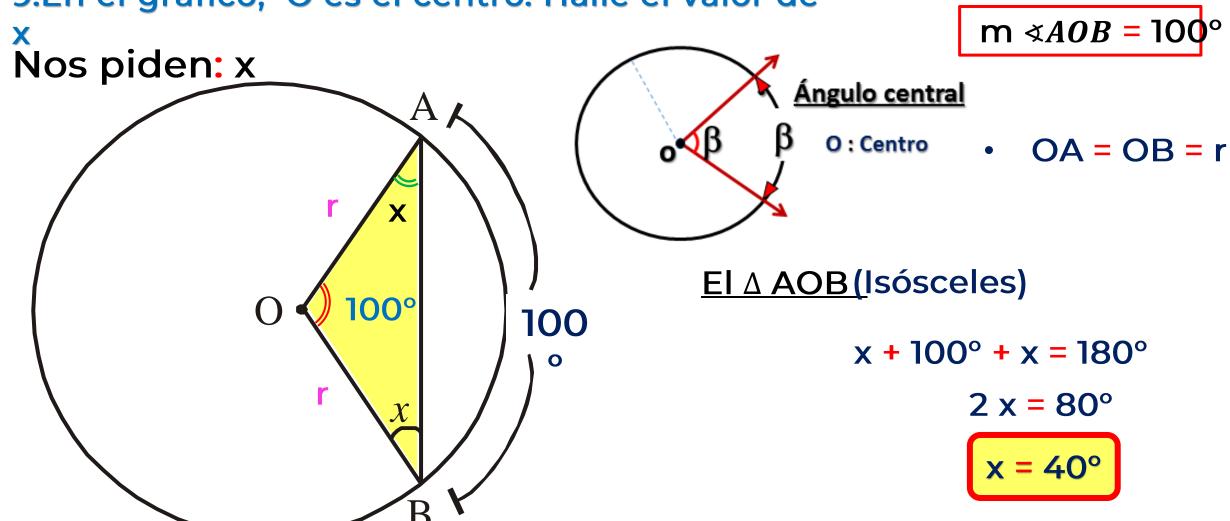
$$20^{\circ} = \frac{4x}{2}$$

$$20^{\circ} = 2x$$

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



9.En el gráfico, O es el centro. Halle el valor de





10.En la circunferencia, AP = BP. Halle el valor

