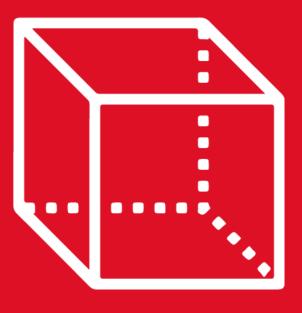


GEOMETRÍA

Asesoría

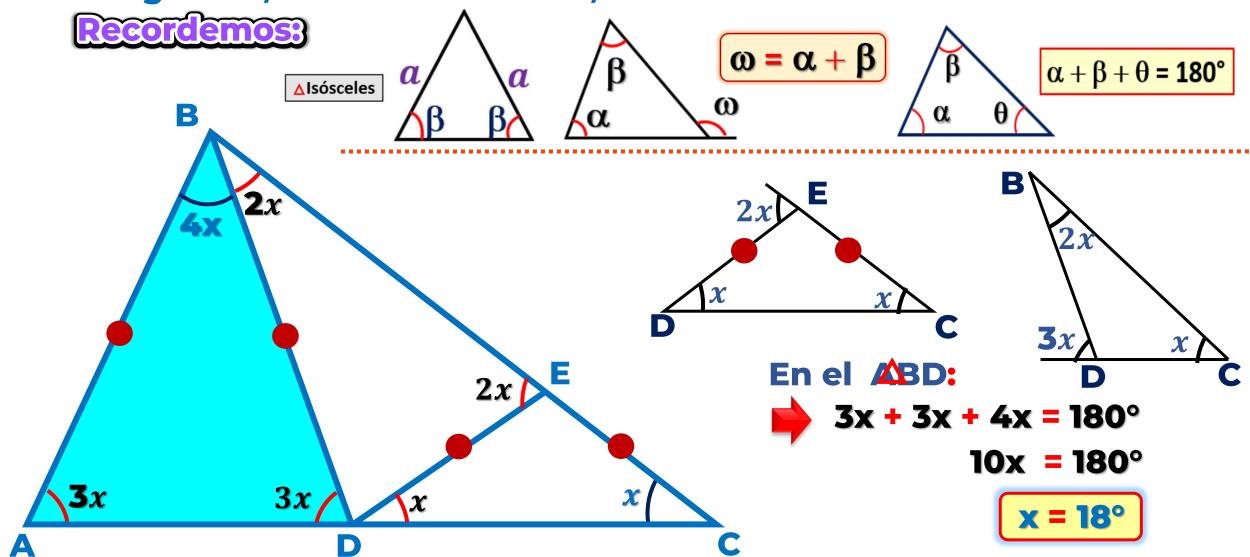


Tomo I

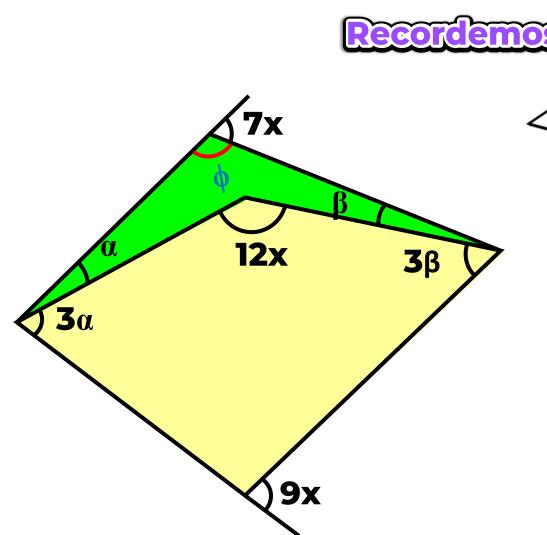


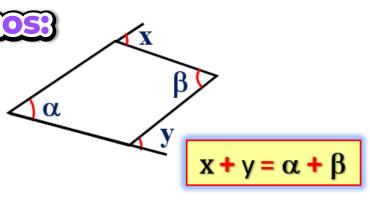


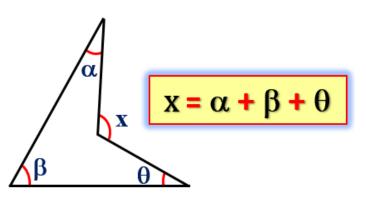
1. En el gráfico, halle el valor de x, si: AB = BD = DE = CE.



2. En la figura, halle el valor de x.







$$4\alpha + 4\beta = 7x + 9x$$

$$4\alpha + 4\beta = 16x$$

$$\alpha + \beta = 4x$$

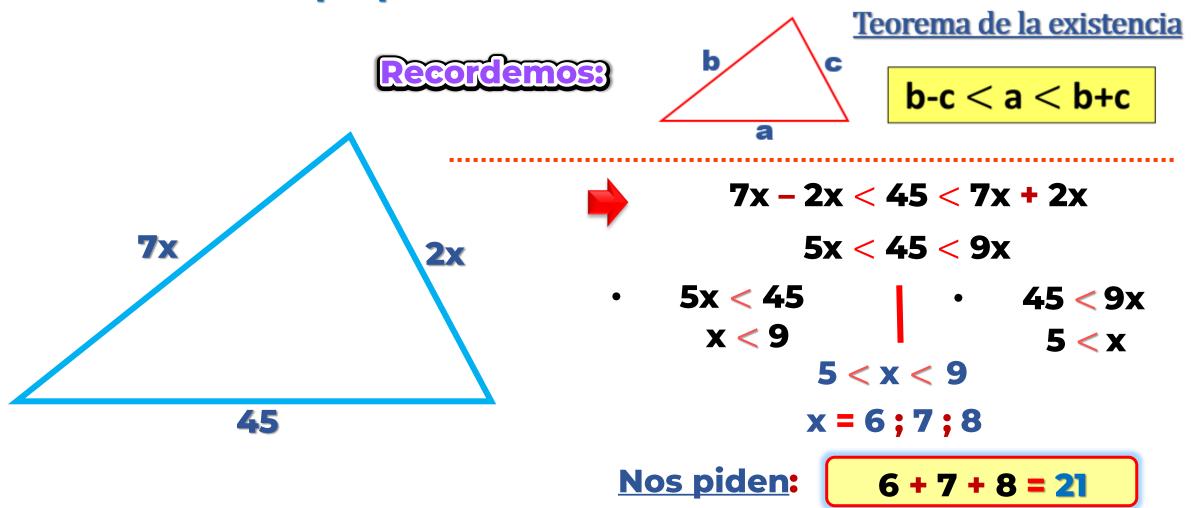
• 12x =
$$\alpha + \beta + \phi$$
4x

$$8x = \phi$$

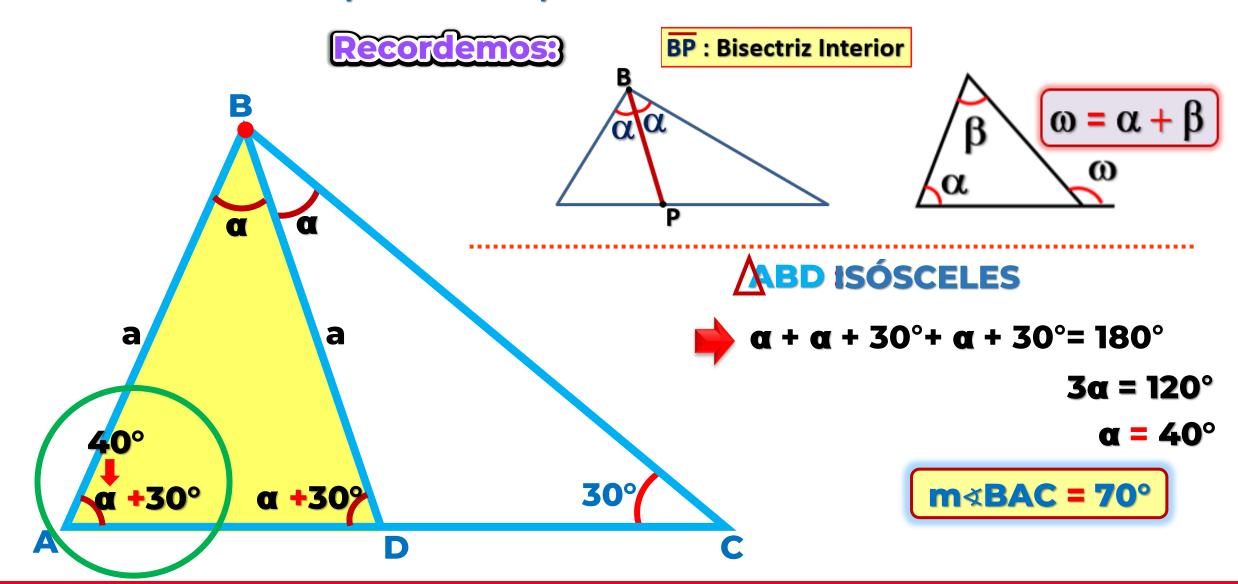
$$7x + \phi = 180^{\circ}$$

 $8x$
 $15x = 180^{\circ}$
 $x = 12^{\circ}$

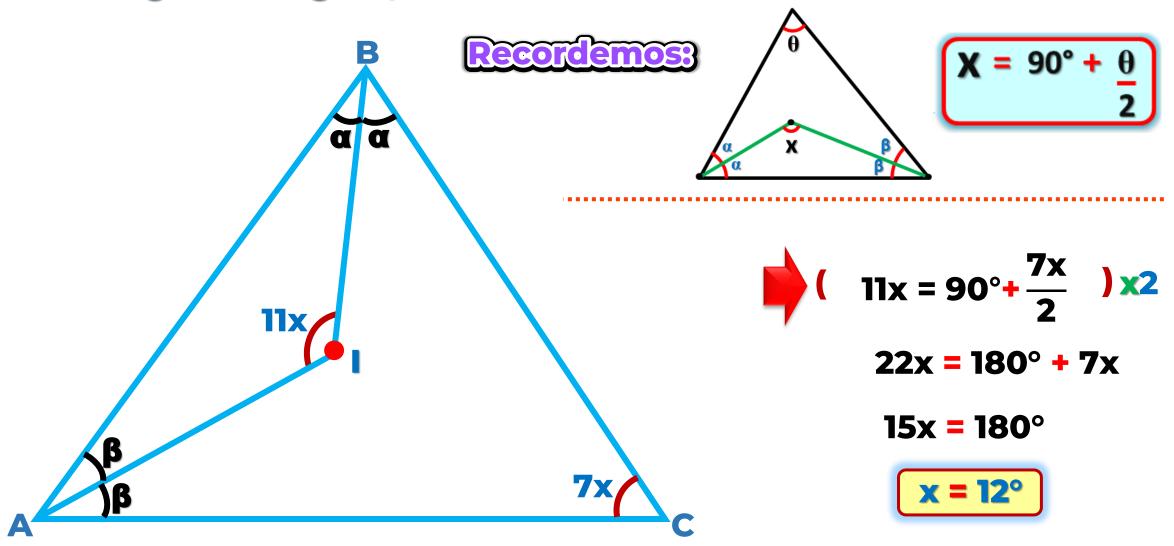
3. Si los lados de un triangulo miden 7x, 2x y 45, halle la suma de los valores enteros que puede tomar x.



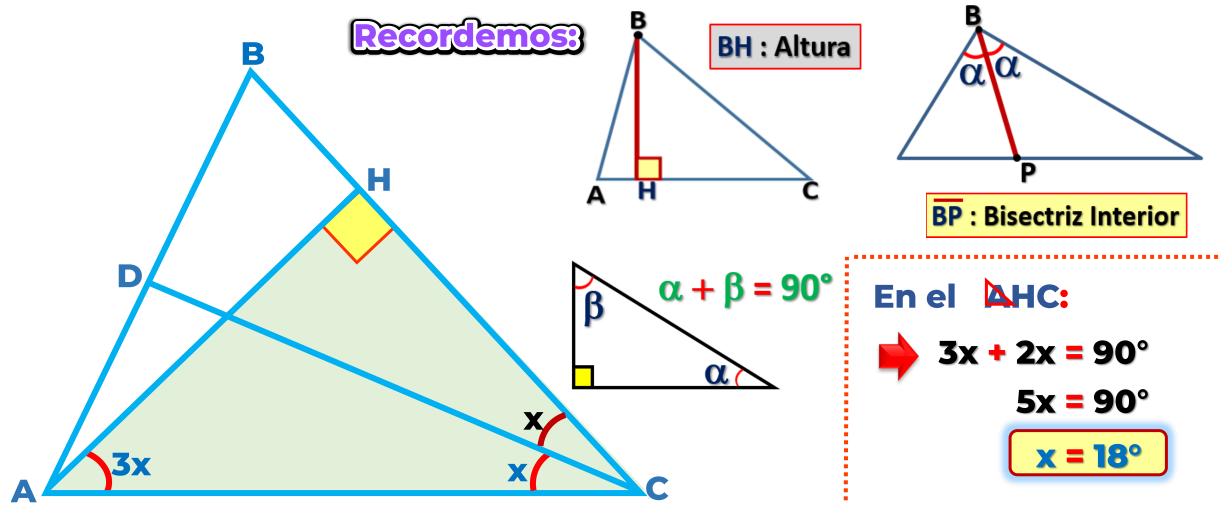
4. Calcule la m∢BAC, si AB = BD; además BD es bisectriz del ΔABC.



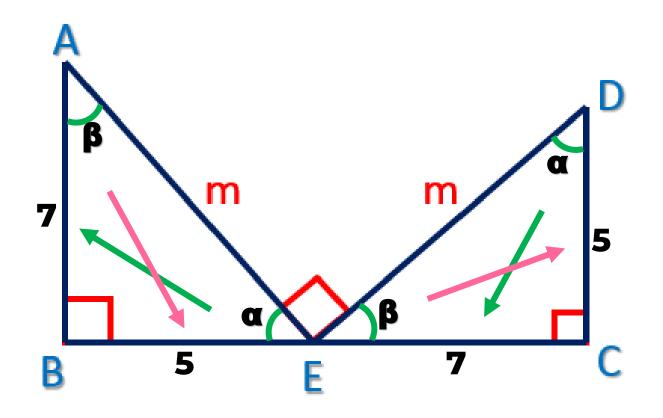
5. En la siguiente figura, halle el valor de x.

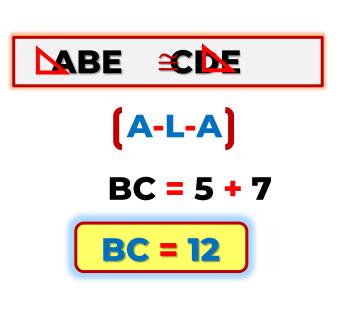


6. Halle el valor de x, si \overline{AH} es altura y \overline{CD} es bisectriz interior del triángulos ABC.

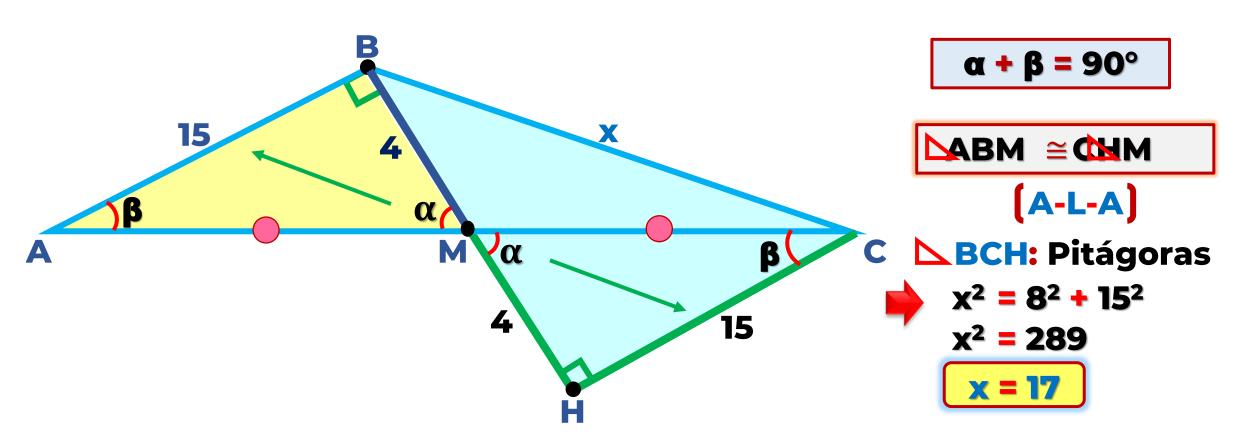


7. Halle BC si AB = 7 y DC = 5.



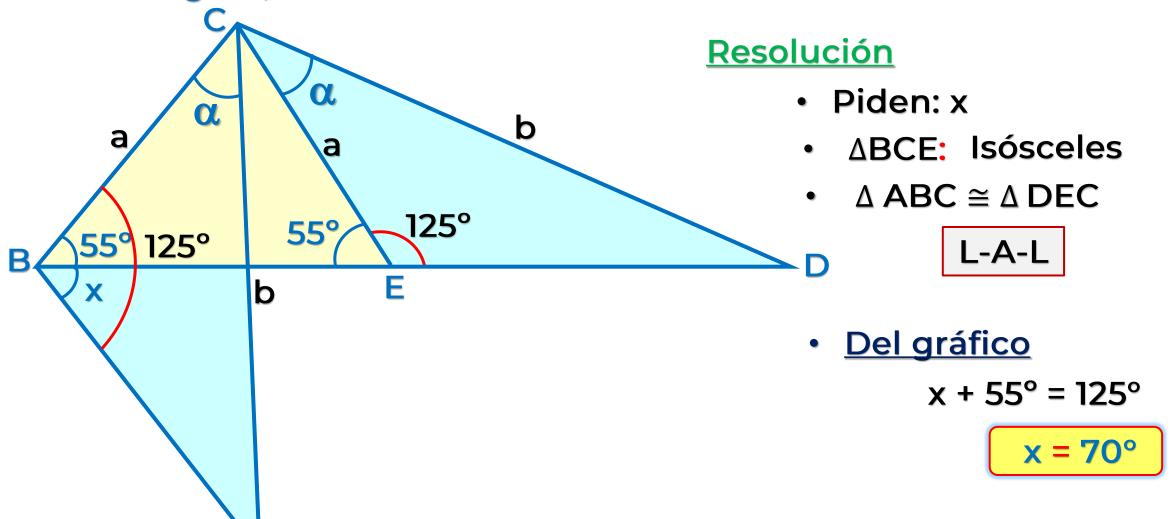


8. En un triángulo ABC, se traza la mediana \overline{BM} . Si BM = 4, AB = 15 y m4ABM = 90°, halle BC.





9. En la figura, AC = CD. Halle el valor de x.





10. En un triángulo ABC, m $4ABC = 110^{\circ}$, se ubican los puntos D, E y F en los lados \overline{AB} , \overline{AC} y \overline{BC} respectivamente. Si AD = EC, AE = FC y DE = EF, calcule m4DEF.

