



RECURSOS DIDÁCTICOS

TERCERO DE SECUNDARIA

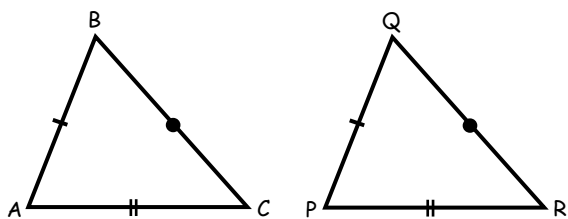
GEOMETRÍA

CONGRUENCIA DE TRIÁNGULOS III

CASOS DE CONGRUENCIA

◆ TERCER CASO (LLL)

Es cuando se tiene los tres lados congruentes.

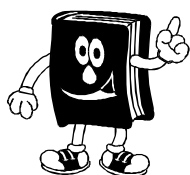


Si: $AB = PQ$
 $BC = QR$ * $\triangle ABC \cong \triangle PQR$
 $AC = PR$



ATENCIÓN

Luego podemos decir que a lados congruentes, se le oponen ángulos congruentes y a ángulos congruentes se le oponen lados congruentes.



NOTA

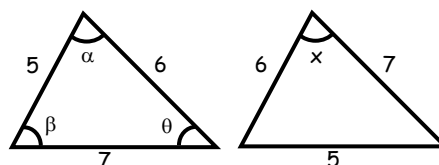
Cuando dos figuras son:

	FORMA	TAMAÑO	POSICIÓN
Iguales			
Congruentes			
Semejantes			

EJERCICIOS DE APLICACIÓN

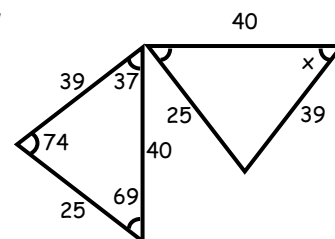
1. Calcular "x"

- a) α
- b) β
- c) θ
- d) $\alpha + \beta$
- e) $\alpha + \theta$



2. Calcular "x"

- a) 37
- b) 74
- c) 69
- d) 111
- e) 106

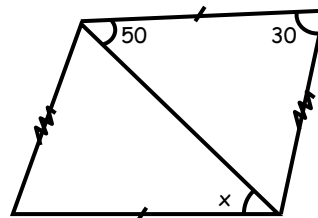


SABIAS QUE

Se debe a THALES que los ángulos de la base de un triángulo isósceles son iguales

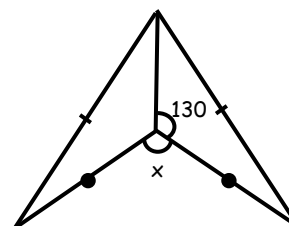
3. Calcular "x"

- a) 80
- b) 20
- c) 50
- d) 30
- e) 10



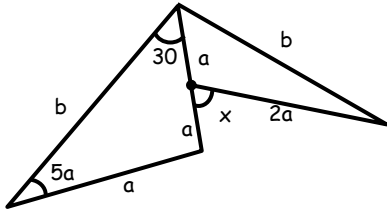
4. Calcular "x"

- a) 130
- b) 120
- c) 110
- d) 100
- e) 90



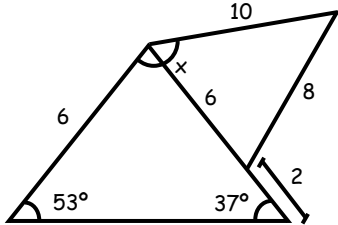
5. Calcular "x"

- a) 100
- b) 80
- c) 20
- d) 50
- e) 30



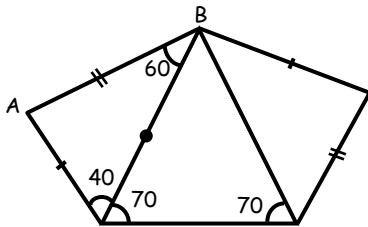
6. Calcular "x"

- a) 90
- b) 143
- c) 127
- d) 120
- e) 108



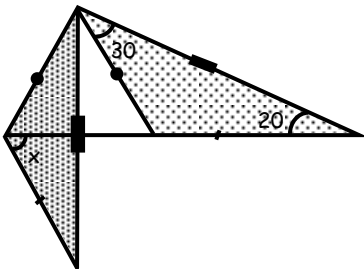
7. Calcular : m∠ABC

- a) 140
- b) 130
- c) 150
- d) 120
- e) 160



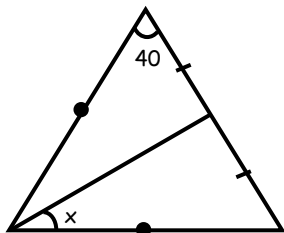
8. Calcular "x"

- a) 80
- b) 40
- c) 50
- d) 60
- e) 70



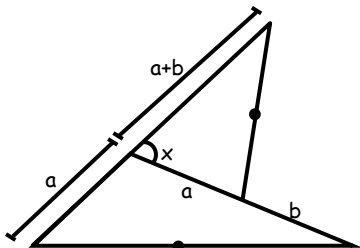
9. Calcular "x"

- a) 50
- b) 40
- c) 20
- d) 80
- e) 60



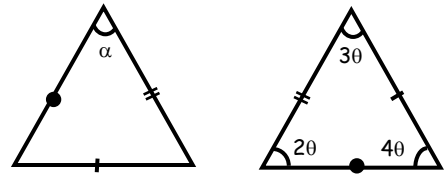
10. Calcular "x"

- a) 60
- b) 70
- c) 80
- d) 75
- e) 90



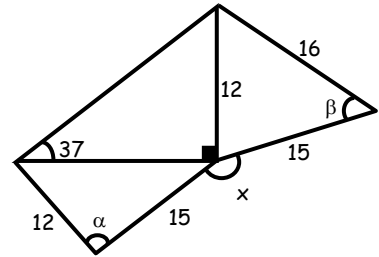
11. Calcular "α"

- a) 20
- b) 40
- c) 80
- d) 60
- e) 10



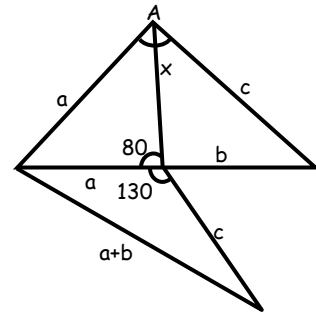
12. Calcular "x" ; α + β = 130

- a) 140
- b) 130
- c) 120
- d) 150
- e) 90



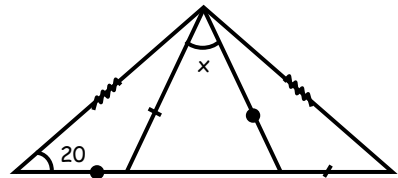
13. Calcular "x"

- a) 50
- b) 30
- c) 80
- d) 100
- e) 40



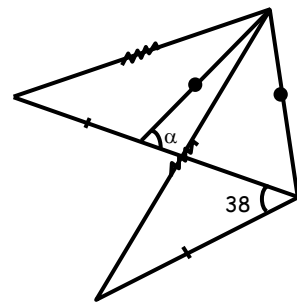
14. Calcular "x"

- a) 80
- b) 100
- c) 60
- d) 120
- e) 90



15. Calcular "α"

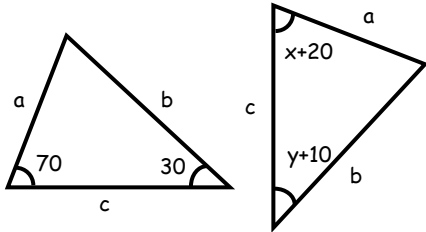
- a) 61
- b) 71
- c) 81
- d) 91
- e) 51



TAREA DOMICILIARIA

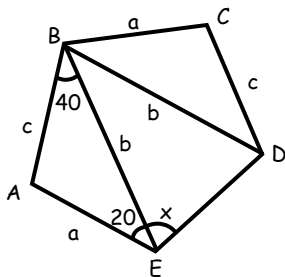
1. Calcular:

- a) 30
- b) -30
- c) 20
- d) 40
- e) 5



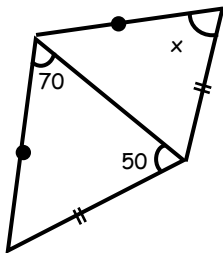
2. Calcular "x", si $m \angle ABC = 100$

- a) 70
- b) 80
- c) 60
- d) 50
- e) 40



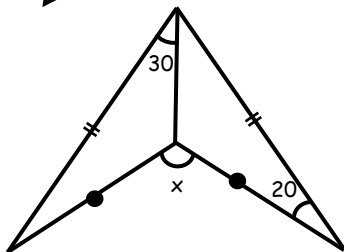
3. Calcular "x"

- a) 60
- b) 70
- c) 60
- d) 50
- e) 40



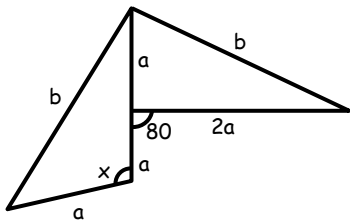
4. Calcular "x"

- a) 50
- b) 130
- c) 150
- d) 120
- e) 140



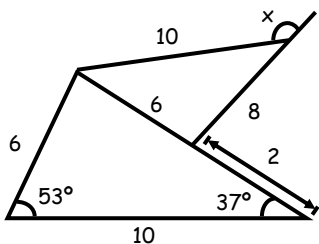
5. Calcular "x"

- a) 80
- b) 40
- c) 100
- d) 50
- e) 70



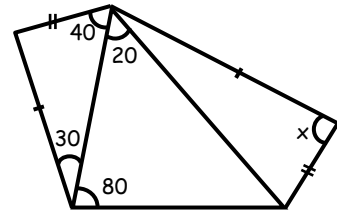
6. Calcular "x"

- a) 143
- b) 127
- c) 120
- d) 90
- e) 100



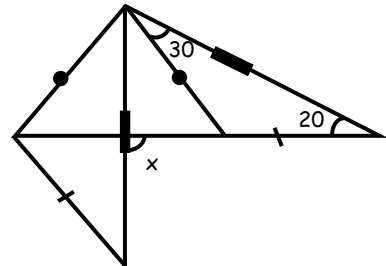
7. Calcular "x"

- a) 70
- b) 110
- c) 100
- d) 160
- e) 130



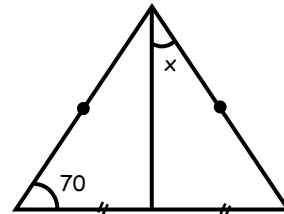
8. Calcular "x"

- a) 80
- b) 70
- c) 100
- d) 110
- e) 90



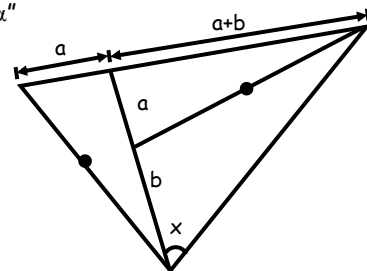
9. Calcular "x"

- a) 70
- b) 35
- c) 20
- d) 10
- e) 60



10. Calcular "α"

- a) 60
- b) 45
- c) 30
- d) 15
- e) 75

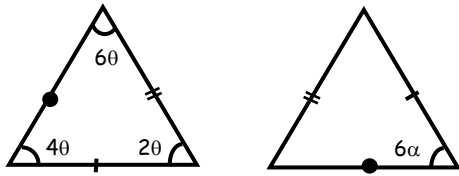


SABIAS QUE
Eratóstenes quedó ciego en su vejez y decidió cometer suicidio muriendo de hambre.



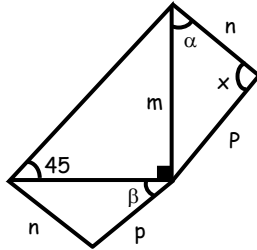
11. Calcular " α "

- a) 8
- b) 9
- c) 10
- d) 12
- e) 15



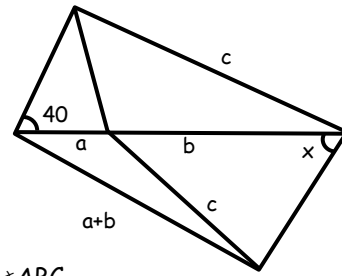
12. Calcular " x " si: $\alpha + \beta = 70$

- a) 70
- b) 110
- c) 100
- d) 120
- e) 90



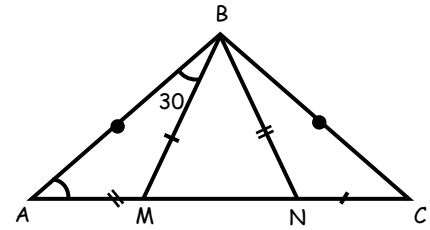
13. Calcular " x "

- a) 40
- b) 80
- c) 70
- d) 60
- e) 50



14. Calcular $m \nabla ABC$

- a) 100
- b) 90
- c) 110
- d) 120
- e) 150



RETO DE LA SEMANA

15. Calcular " α "

- a) 61
- b) 71
- c) 81
- d) 91
- e) 51

