



RECURSOS DIDÁCTICOS

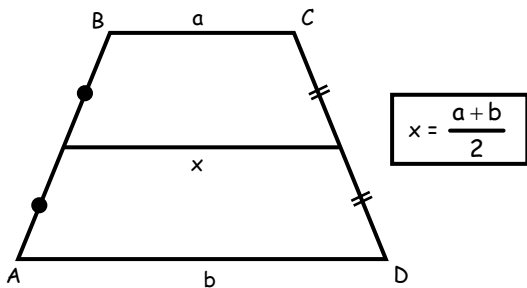
TERCERO DE SECUNDARIA

GEOMETRÍA

TRAPECIO - PROPIEDADES

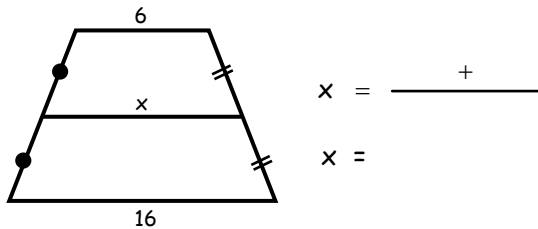
PROPIEDAD DE LA BASE MEDIA

En todo trapecio la base media o mediana es igual a la semisuma de las bases.

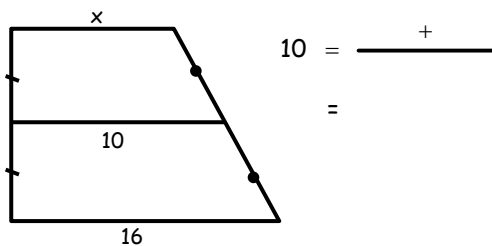


Ejemplos:

- ❖ Calcular la mediana del trapecio.

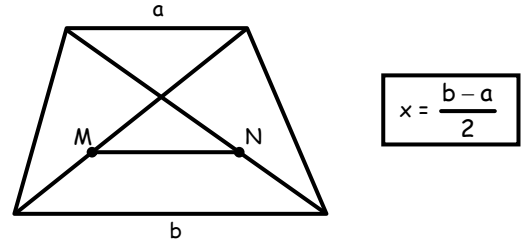


- ❖ Calcular "x"



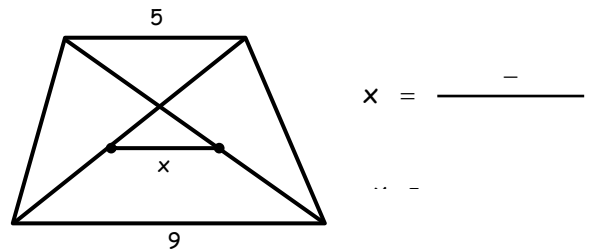
PROPIEDAD DEL SEGMENTO QUE UNE LOS PUNTOS MEDIOS DE LAS DIAGONALES

En todo trapecio dicho segmento es igual a la semidiferencia de las bases.

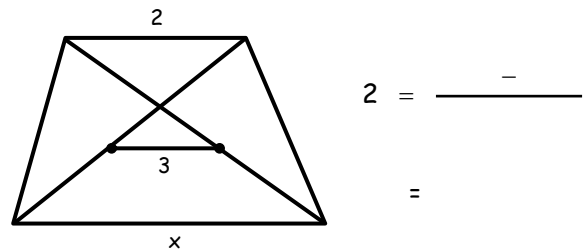


Ejemplos:

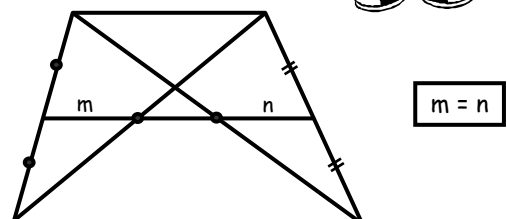
- ❖ Calcular "x"



- ❖ Calcular "x"

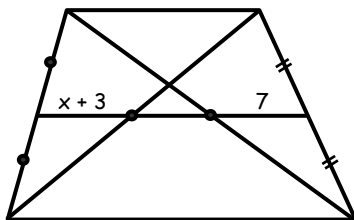


En todo trapecio se cumple:



Ejemplo:

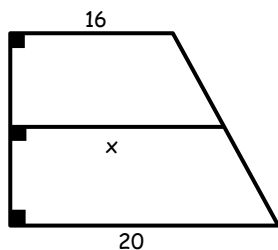
Calcular "x"



EJERCICIOS DE APLICACIÓN

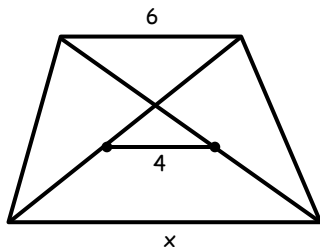
1. Calcular "x"

- a) 36
- b) 18
- c) 9
- d) 4
- e) 2



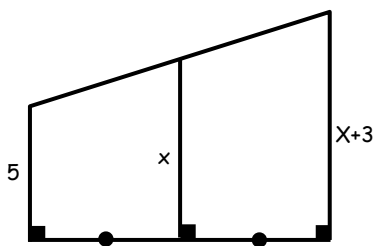
2. Calcular "x"

- a) 16
- b) 14
- c) 18
- d) 20
- e) 15



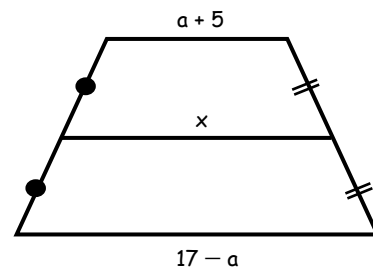
3. Calcular "x"

- a) 8
- b) 16
- c) 4
- d) 2
- e) 1



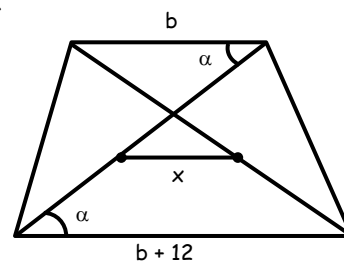
4. Calcular "x"

- a) 22
- b) 11
- c) $11 + 2a$
- d) 12
- e) 6



5. Calcular "x"

- a) 12
- b) 6
- c) 3
- d) 24
- e) 18

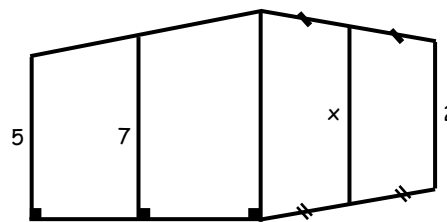


6. Las bases de un trapezio miden $x + 1$ y $2x + 7$; si la mediana es 7. Calcular "x"

- a) 1
- b) 2
- c) 3
- d) 4
- e) 5

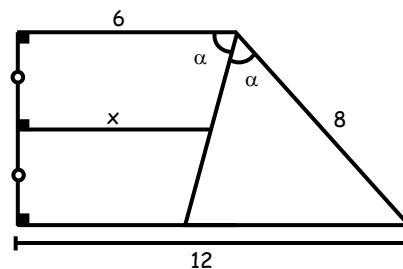
7. Calcular "x"

- a) 11
- b) 5,5
- c) 6,5
- d) 5
- e) 9



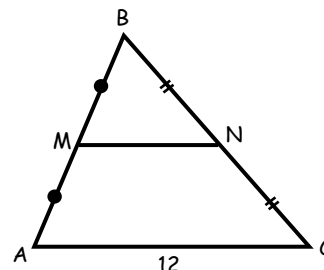
8. Calcular "x"

- a) 5
- b) 4
- c) 3
- d) 2
- e) 1



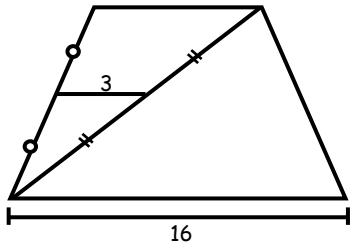
9. Calcular la mediana del trapezio AMNC

- a) 8
- b) 9
- c) 6
- d) 10
- e) 7



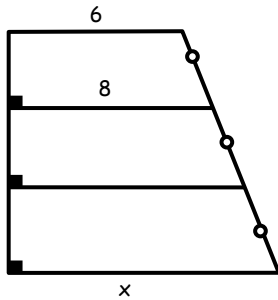
10. Calcular la mediana del trapezio.

- a) 11
- b) 22
- c) 5,5
- d) 10
- e) 5



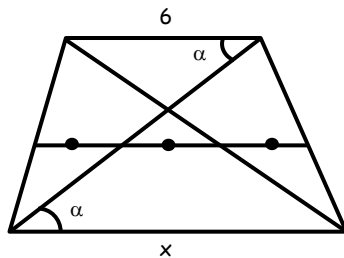
11. Calcular "x"

- a) 10
- b) 11
- c) 12
- d) 13
- e) 14



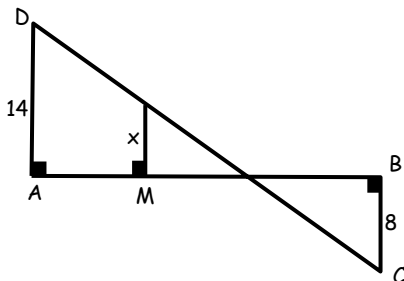
12. Calcular "x"

- a) 12
- b) 10
- c) 14
- d) 8
- e) 16



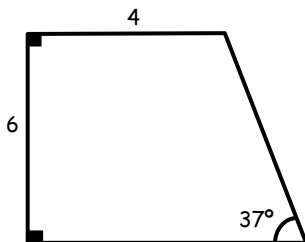
13. Calcular "x", si : AM = MB

- a) 12
- b) 24
- c) 6
- d) 3
- e) 20



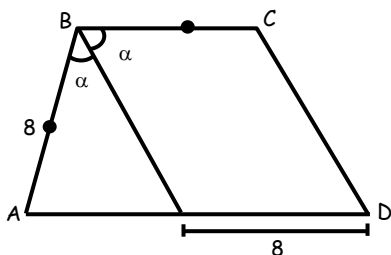
14. Calcular la mediana.

- a) 8
- b) 16
- c) 12
- d) 10
- e) 14



15. Calcular la mediana

- a) 8
- b) 4
- c) 2
- d) 3
- e) 1



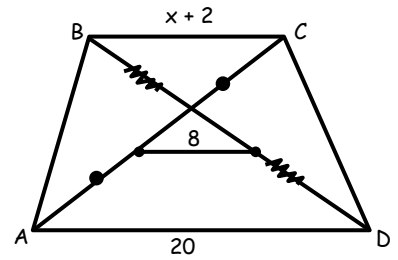
Tarea Domiciliaria

1. Si la mediana de un trapezio es 9m y la base mayores 16. Calcular la base menor.

- a) 1
- b) 2
- c) 3
- d) 4
- e) 5

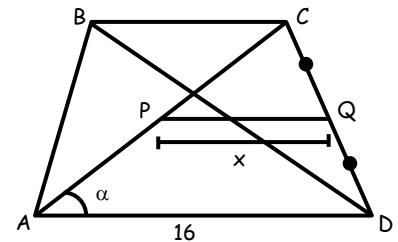
2. Calcular "x"

- a) 2
- b) 3
- c) 4
- d) 1
- e) 5



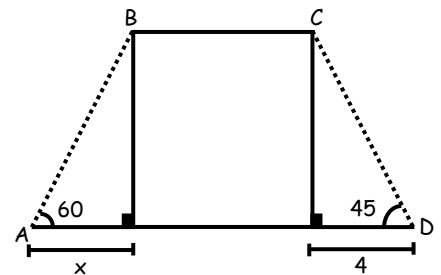
3. Calcular "x"; PQ // AD

- a) 8
- b) 6
- c) 12
- d) 10
- e) 9



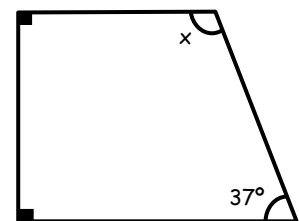
4. Calcular "x"; BC // AD

- a) 2
- b) $2\sqrt{3}$
- c) $4\sqrt{3}$
- d) 4
- e) 8



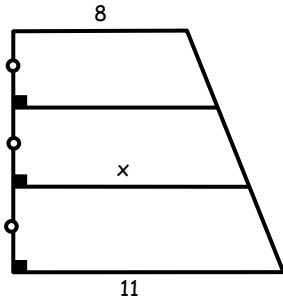
5. Calcular "x"

- a) 53
- b) 143
- c) 127
- d) 133
- e) 153



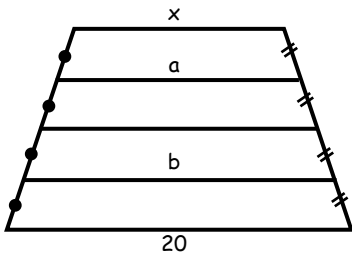
6. Calcular "x"

- a) 10
- b) 9
- c) 10,5
- d) 9,5
- e) 8,5



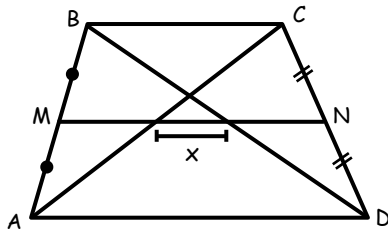
7. Calcular "x", $a + b = 24$

- a) 4
- b) 6
- c) 5
- d) 2
- e) 3



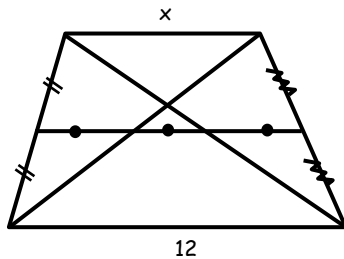
8. Calcular "x", si $MN = 11$

- a) 2
- b) 3
- c) 4
- d) 5
- e) 6



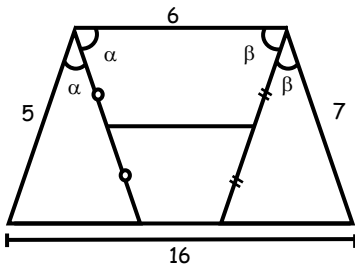
9. Calcular "x"

- a) 2
- b) 3
- c) 4
- d) 5
- e) 6



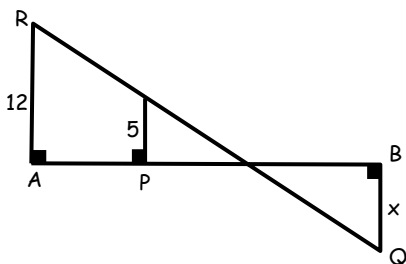
10. Calcular "x"

- a) 2
- b) 3
- c) 4
- d) 5
- e) 1



11. Calcular "x", $AP = PB$

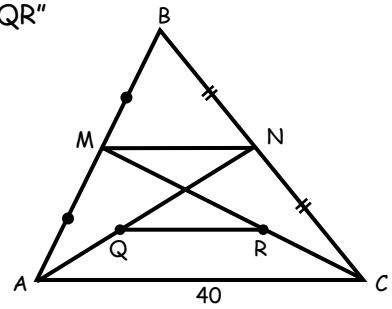
- a) 1
- b) 2
- c) 3
- d) 4



e) 5

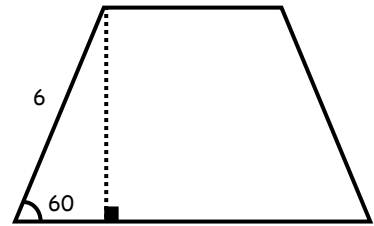
12. Si: $AQ = QN$ y $MR = RC$
Calcular "QR"

- a) 20
- b) 25
- c) 10
- d) 15
- e) 30



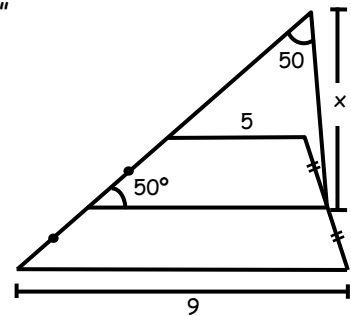
13. Calcular la mediana del trapecio isósceles.

- a) 11
- b) 5,5
- c) 6,5
- d) 5
- e) 6



14. Calcular "x"

- a) 6
- b) 2
- c) 8
- d) 9
- e) 10



RETO DE LA SEMANA

15. Calcular "x"

- a) 28
- b) 14
- c) 7
- d) 4
- e) 2

