

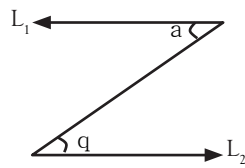
Geometría

PROPIEDADES DE LOS ANGULOS SITUADOS ENTRE PARALELAS

PROPIEDADES

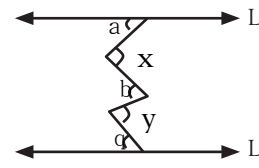
Si $L_1 \parallel L_2$:

1)



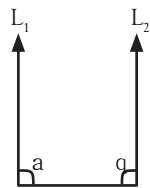
$\Rightarrow a = q$

4)



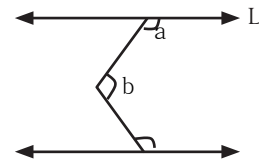
$\Rightarrow x+y=a+b+q$

2)



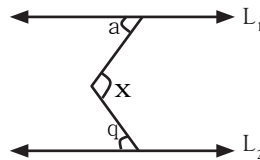
$\Rightarrow a + q=180^\circ$

5)



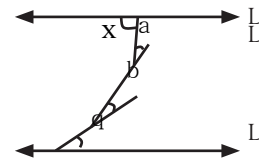
$\Rightarrow a+b+q=360^\circ$

3)



$\Rightarrow x=a + q$

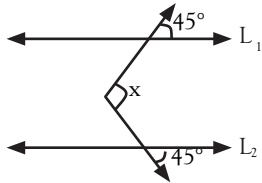
6)



$\Rightarrow x=a+b+q$

Resolviendo en clase

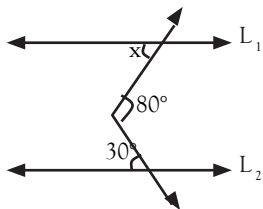
1 Calcula "x" si $L_1 \parallel L_2$



Resolución:

Rpta:

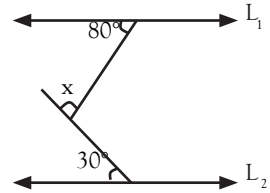
2 Calcula "x" si $L_1 \parallel L_2$



Resolución:

Rpta:

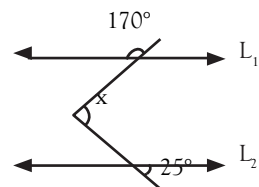
3 Calcula "x" si $L_1 \parallel L_2$



Resolución:

Rpta:

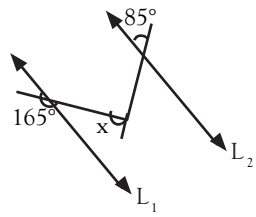
4 Calcula "x" si $L_1 \parallel L_2$



Resolución:

Rpta:

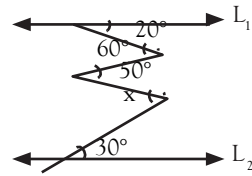
5 Calcula x a partir del gráfico mostrado si $L_1 \parallel L_2$



Resolución:

Rpta:

6 Calcula x si $L_1 \parallel L_2$

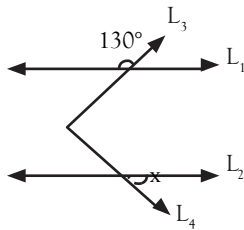


Resolución:

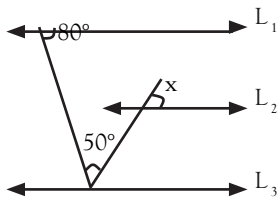
Rpta:

Ahora en tu cuaderno

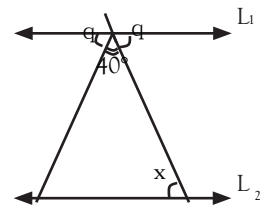
7. Calcula x si $L_1 \parallel L_2$ y $L_3 \parallel L_4$



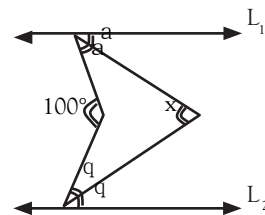
8. Calcula x si $L_1 \parallel L_2 \parallel L_3$



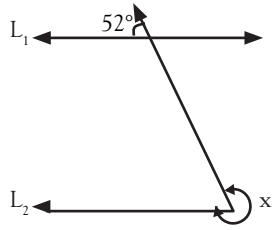
9. Calcula x si $L_1 \parallel L_2$



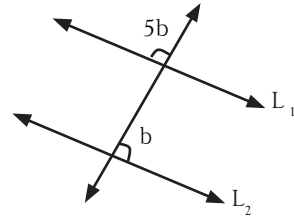
10. Calcula x si $L_1 \parallel L_2$



11. En el gráfico, calcula x si $L_1 \parallel L_2$

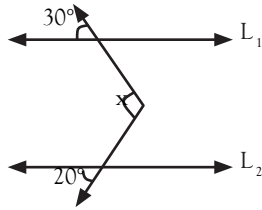


12. En el gráfico, calcula b si $L_1 \parallel L_2$



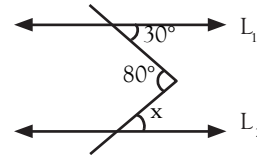
Para reforzar

1. Calcula " x " si $L_1 \parallel L_2$



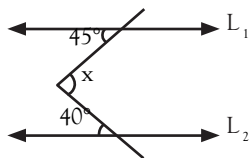
- a) 50° b) 40° c) 45°
 d) 60° e) 70°

3. Calcula x si $L_1 \parallel L_2$



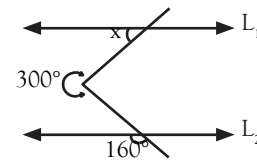
- a) 40° b) 30° c) 80°
 d) 50° e) 60°

2. Calcula x si $L_1 \parallel L_2$



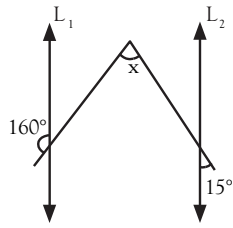
- a) 80° b) 85° c) 90°
 d) 95° e) 75°

4. Calcula x si $L_1 \parallel L_2$



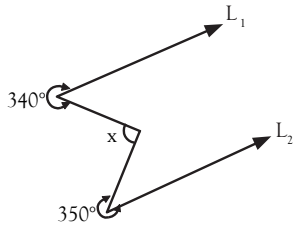
- a) 10° b) 20° c) 30°
 d) 40° e) 50°

5. Observando el gráfico mostrado, calcula x si $L_1 \parallel L_2$



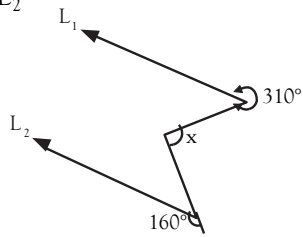
- a) 30°
- b) 25°
- c) 35°
- d) 40°
- e) 20°

6. Calcula x si $L_1 \parallel L_2$



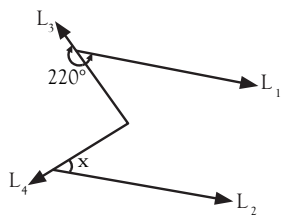
- a) 10°
- b) 20°
- c) 30°
- d) 40°
- e) 50°

7. Observando el gráfico mostrado, calcula x si $L_1 \parallel L_2$



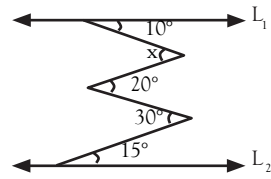
- a) 60°
- b) 65°
- c) 70°
- d) 75°
- e) 80°

8. Calcula x si $L_1 \parallel L_2$ y $L_3 \parallel L_4$



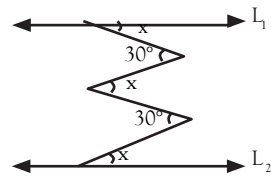
- a) 40°
- b) 50°
- c) 60°
- d) 70°
- e) 80°

9. Calcula x si $L_1 \parallel L_2$



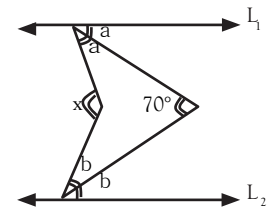
- a) 15°
- b) 5°
- c) 20°
- d) 30°
- e) 45°

10. Calcula x si $L_1 \parallel L_2$



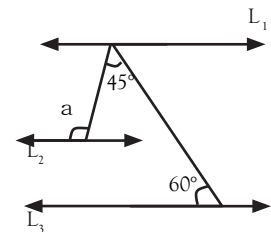
- a) 20°
- b) 10°
- c) 15°
- d) 30°
- e) 40°

11. Calcula x si $L_1 \parallel L_2$



- a) 140°
- b) 70°
- c) 80°
- d) 110°
- e) 100°

12. En el gráfico, calcula x si $L_1 \parallel L_2 \parallel L_3$



- a) 100°
- b) 110°
- c) 105°
- d) 115°
- e) 120°