

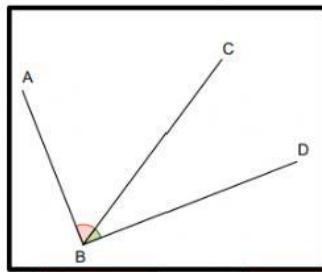


# Ángulos

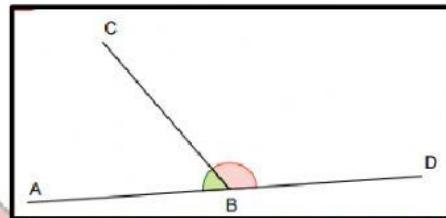
OA 16. Identificar los ángulos que se forman entre dos rectas que se cortan (pares de ángulos opuestos por el vértice y pares de ángulos complementarios).

## Recordemos

Los ángulos complementarios son aquellos que suman  $90^\circ$  formando un ángulo recto.

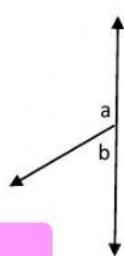
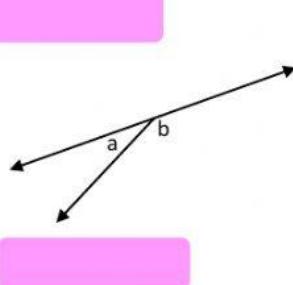
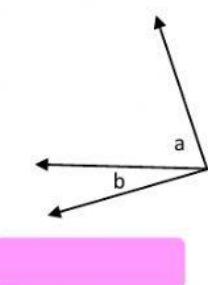
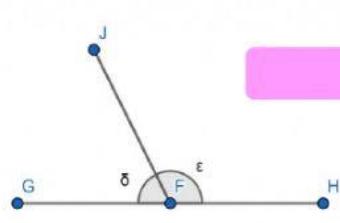
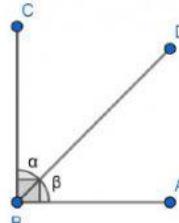
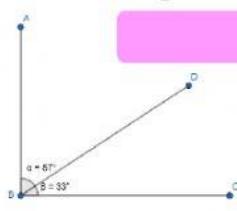


Los ángulos suplementarios son aquellos ángulos que suman  $180^\circ$  formando un ángulo extendido.

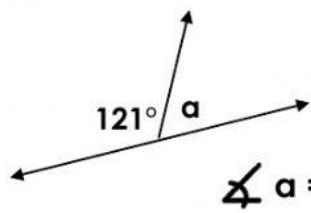


## Actividades

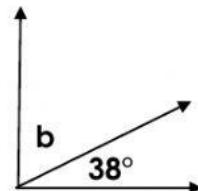
### I. Selecciona el tipo de ángulos:



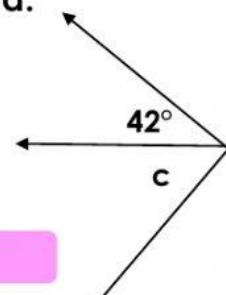
## II. Escribe el valor que corresponde en el ángulo que falta:



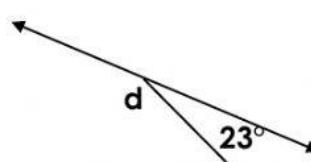
$$\angle a = \boxed{\phantom{00}}$$



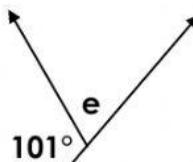
$$\angle b = \boxed{\phantom{00}}$$



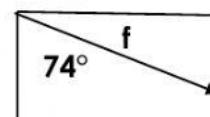
$$\angle c = \boxed{\phantom{00}}$$



$$\angle d = \boxed{\phantom{00}}$$



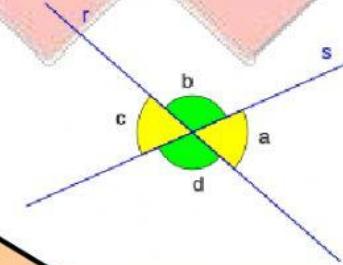
$$\angle e = \boxed{\phantom{00}}$$



$$\angle f = \boxed{\phantom{00}}$$

Dos ángulos opuestos por el vértice son los ángulos opuestos cuando se cruzan dos rectas.

Estos dos ángulos son congruentes, quiere decir que miden lo mismo.

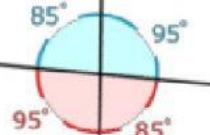
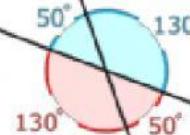
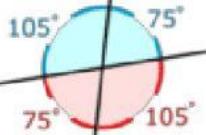


En este ejemplo los ángulos:

$$a = c$$

$$b = d$$

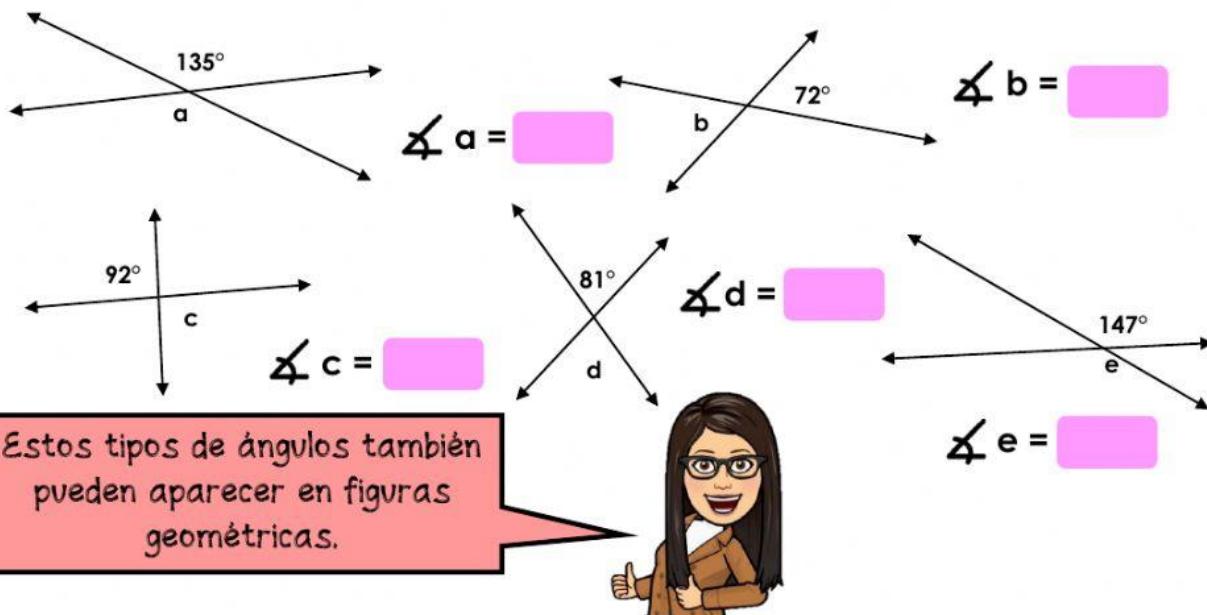
Los ángulos pueden representarse con letras minúsculas o letras griegas ( $\alpha\beta\Phi\Delta\theta\Xi$ )



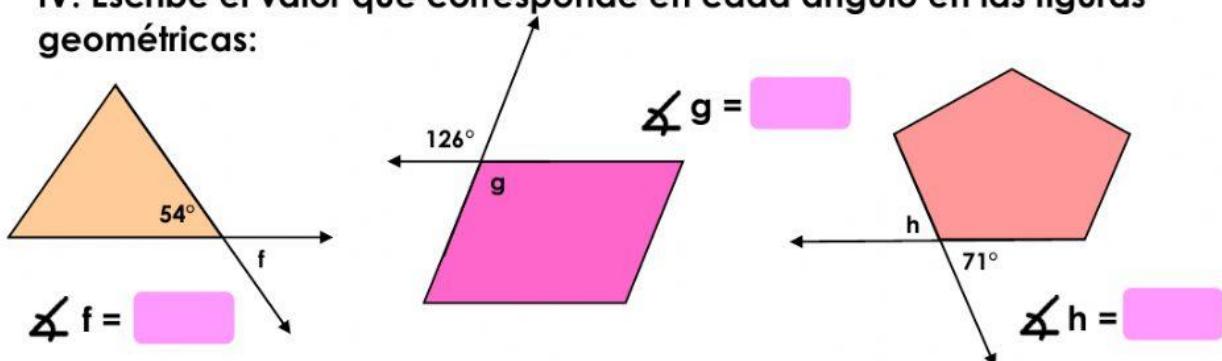
Estos son otros ejemplos de ángulos opuestos por el vértice.

Las rectas pueden ubicarse en cualquier posición, pero siempre van a generar 2 pares de ángulos de igual medida.

### III. Escribe el valor que corresponde en cada ángulo:



### IV. Escribe el valor que corresponde en cada ángulo en las figuras geométricas:

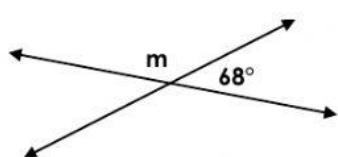


Mira esto. Cuando dos ángulos están juntos y comparten un LADO y un VÉRTICE se denominan **ÁNGULOS ADYACENTES**.

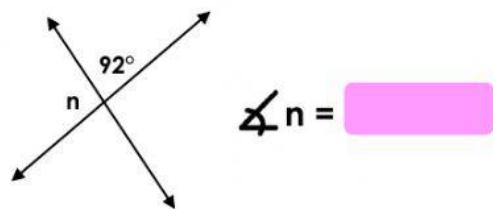
En los ángulos opuestos por el vértice, los ángulos adyacentes suman  $180^\circ$



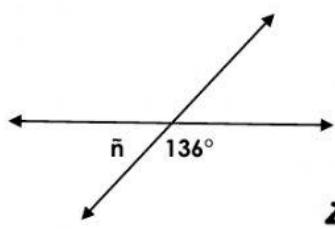
V. Selecciona el valor que corresponde en cada ángulo:



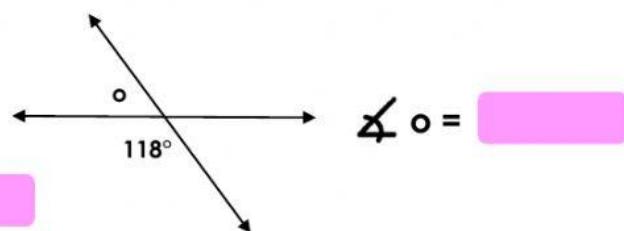
$$\angle m = \boxed{\phantom{00}}$$



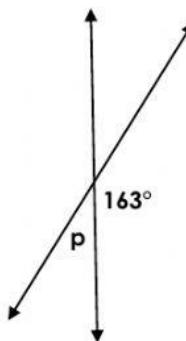
$$\angle n = \boxed{\phantom{00}}$$



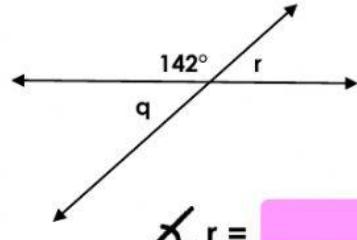
$$\angle n̄ = \boxed{\phantom{00}}$$



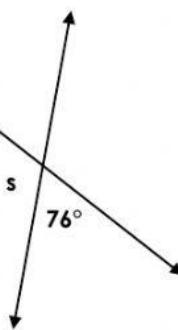
$$\angle o = \boxed{\phantom{00}}$$



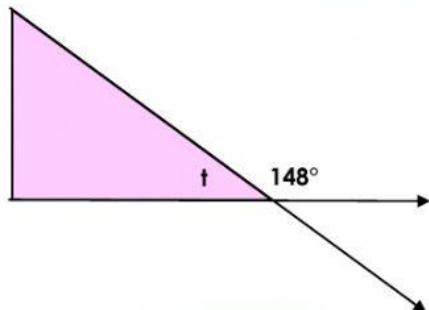
$$\angle p = \boxed{\phantom{00}}$$



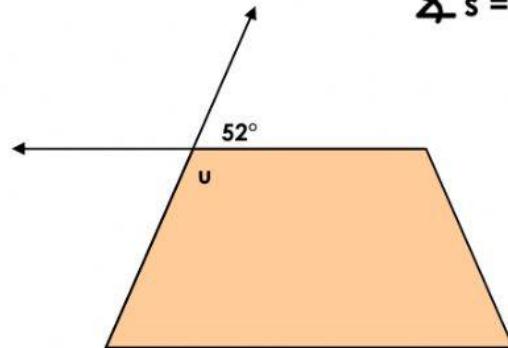
$$\angle r = \boxed{\phantom{00}}$$



$$\angle s = \boxed{\phantom{00}}$$



$$\angle t = \boxed{\phantom{00}}$$



$$\angle u = \boxed{\phantom{00}}$$



Educando en un clima de sana convivencia