



fichas de Trabajo

RAZ. MATEMÁTICO

4^{to}

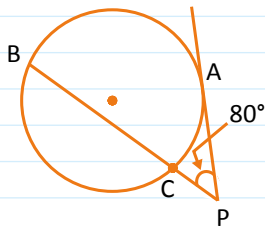
SECUNDARIA

ÁNGULOS EN LA CIRCUNFERENCIA

Trabajando en Clase

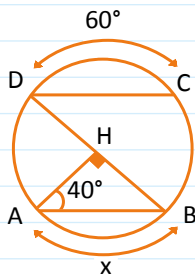
Nivel I

1. Si $m\widehat{AB} = 5x$ y $m\widehat{AC} = x$, calcula "x".



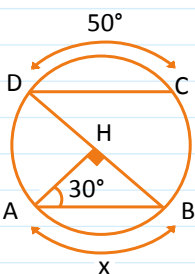
- a) 10° b) 20° c) 30°
d) 40° e) 50°

2. Si $\overline{CD} \parallel \overline{AB}$, calcula "x".



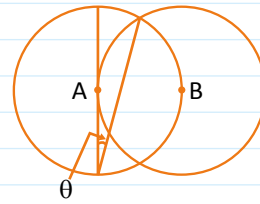
- a) 100° b) 90° c) 80°
d) 70° e) 60°

3. Si $\overline{CD} \parallel \overline{AB}$, calcula "x".



- a) 80° b) 70° c) 60°
d) 50° e) 40°

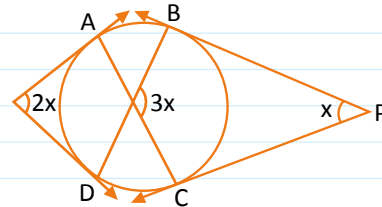
4. A y B son centros. Halla θ .
(A es punto de tangencia)



- a) 15° b) 12° c) 18°
d) 20° e) N.A.

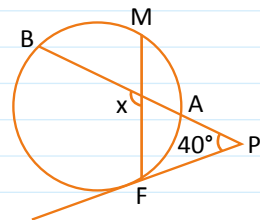
Nivel II

5. Del gráfico: A, B, C y D son puntos de tangencia. Calcula x.



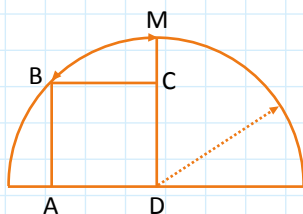
- a) 20° b) 30° c) 35°
d) 40° e) 45°

6. En la figura, $\overline{PF}$ es tangente y "M" es punto medio del arco AB. Halla "x".



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

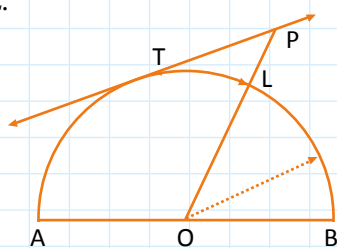
7. Calcula $m\widehat{BM}$ si ABCD es un cuadrado.



- a) 20° b) 30° c) 45°
d) 53° e) 60°

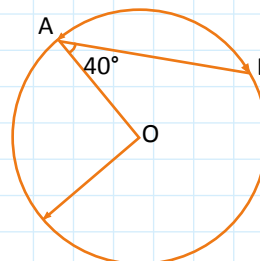
Nivel III

8. Si $TP = 4$ y $AB = 6$, calcula $m\widehat{TL}$.



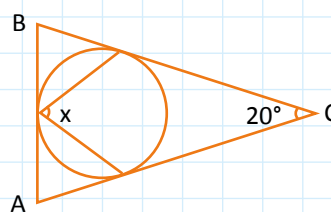
- a) 30° b) 37° c) 45°
d) 53° e) 60°

9. Calcula $m\widehat{AB}$ si $m\angle OAB = 40^\circ$.



- a) 20° b) 40° c) 50°
d) 80° e) 100°

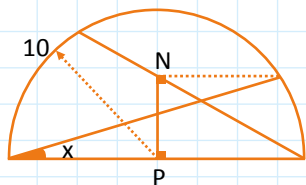
11. Halla x.



- a) 50° b) 60° c) 70°
d) 80° e) 30°

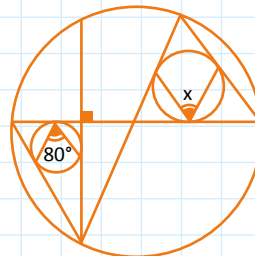
Tarea domiciliaria N° 6

1. En la figura, halla x si $PN=5$.



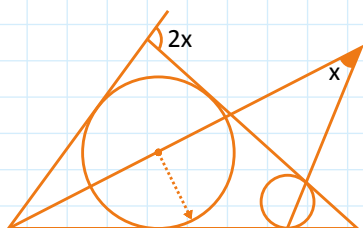
Rpta :

2. Halla x en:



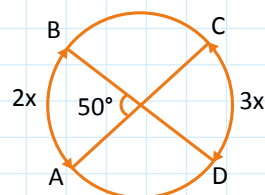
Rpta :

3. Calcula x en:



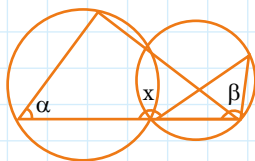
Rpta :

4. Calcula " x ".



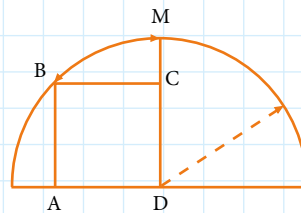
Rpta :

5. En el gráfico; $\alpha + \beta = 150^\circ$.
Calcula x .



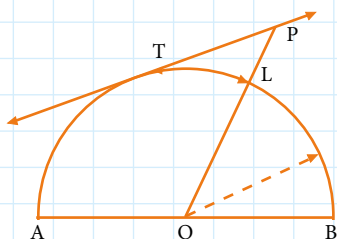
Rpta :

6.



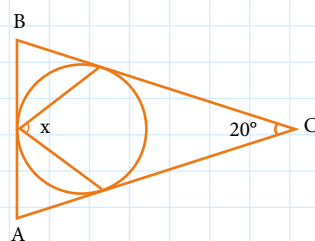
Rpta :

7. Si $TP = 4$ y $AB = 6$, calcula
 $m\widehat{TL}$.



Rpta :

8. Halla x .



Rpta :