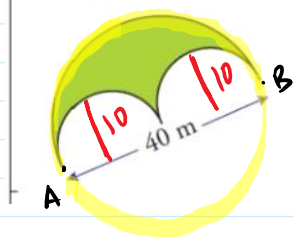


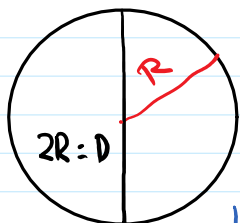
# Áreas de figuras compuestas

jueves, 7 de mayo de 2020 13:25

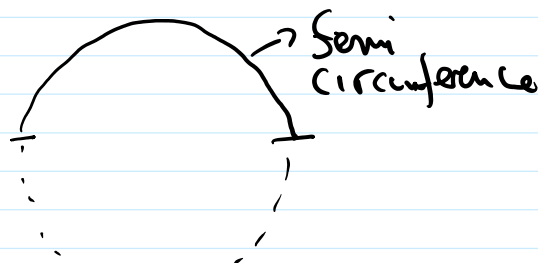
Calcula el perímetro y el área de esta figura:



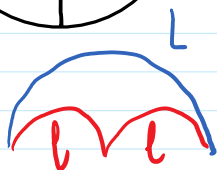
→ Where formula  
→ CIRCUNFERENCIA ✓  
CIRCULO



$$L = 2R \cdot \pi = D \cdot \pi$$



$$L_{CFD} = 2$$

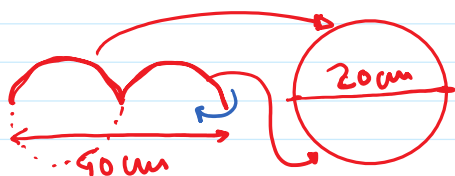


$$P = L + l + l$$

L: longitud SEMI-CFD.  $\begin{cases} \rightarrow \text{Radio} \\ \rightarrow \text{DIAMETRO} \end{cases}$



$$= \frac{\pi \cdot D}{2} = \frac{3.14 \cdot 40}{2} = 62.8 \text{ cm}$$

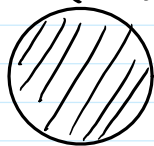


$$L = \pi \cdot D = 3.14 \cdot 20 = 62.8 \text{ cm}$$

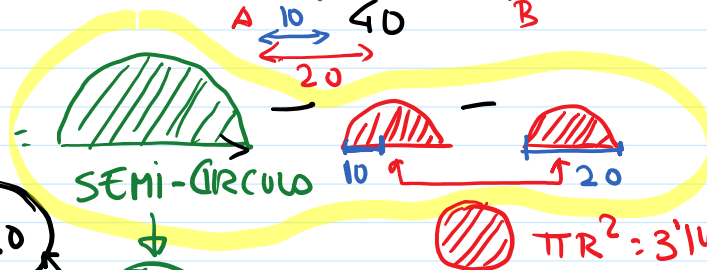
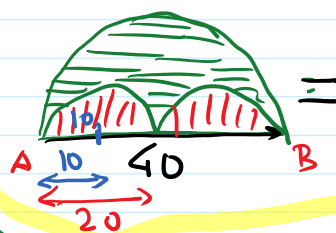
Solución:  $62.8 + 62.8 = 125.6 \text{ cm}$   
Perímetro



CIRCULO



$$A = \pi R^2$$



$$R = 20$$

$$\pi R^2 = 3.14 \cdot 10^2 = 314 \text{ cm}^2$$

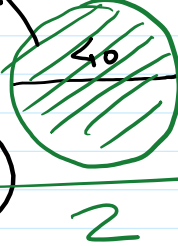
SEMI-CIRCULO

$R = 20$

$\pi R^2 = 3.14 \cdot 10^2 = 314 \text{ cm}^2$

$\pi R^2 = 3.14 \cdot 20^2 =$

$= 1256 \text{ cm}^2$



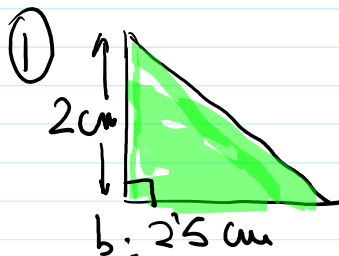
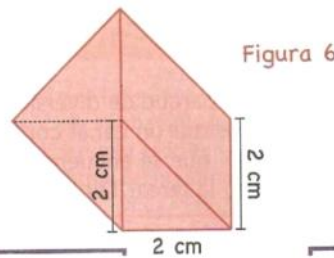
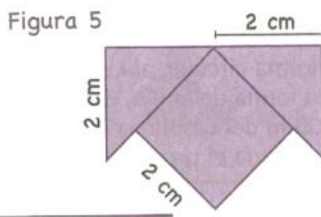
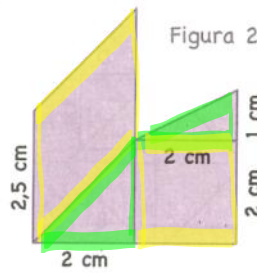
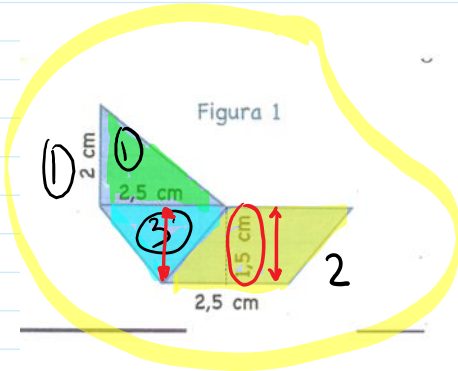
$\frac{1256}{2}$

$= 628 \text{ cm}^2$

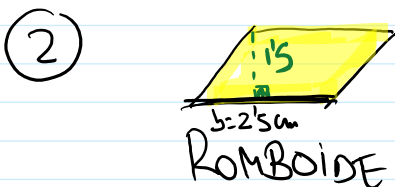
Sol:  $628 - 314 = 314 \text{ cm}^2$



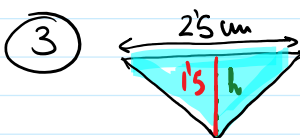
IRREGULAR



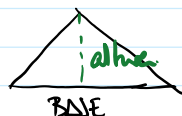
$A = \frac{\text{base} \cdot \text{altura}}{2} = \frac{2.5 \cdot 2}{2} = \underline{\underline{2.5 \text{ cm}^2}}$



$A = \text{base} \cdot \text{altura} = 2.5 \cdot 1.5 = \underline{\underline{3.75 \text{ cm}^2}}$



$A = \frac{\text{base} \cdot \text{altura}}{2} = \frac{2.5 \cdot 1.5}{2} = \underline{\underline{1.875 \text{ cm}^2}}$



Solucion:  $1.875 + 3.75 + 2.5 = \underline{\underline{8.125 \text{ cm}^2}}$