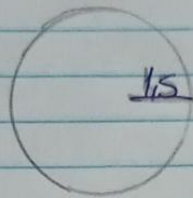


ÁREA DO CÍRCULO

Exercícios 1, 2 e 3

01.



$$C = 2\pi r$$

$$C = 2 \cdot 3,14 \cdot 1,5$$

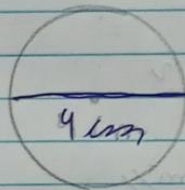
$$C = 9,42$$

$$C = 9,42 \text{ km}$$

$$\frac{120 \cdot 6}{9,42} = \frac{720}{9,42} = 76,43 \approx 76 \text{ voltas}$$

Resposta C

02.

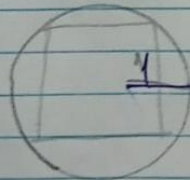


$$2P = 2\pi \cdot r \cdot 10$$

$$2P = 2\pi \cdot 2 \cdot 10$$

$$2P = 40\pi$$

03.



$$Quadrado = \frac{d^2}{2} = \frac{(2r)^2}{2}$$

$$Círculo = \pi \cdot r^2$$

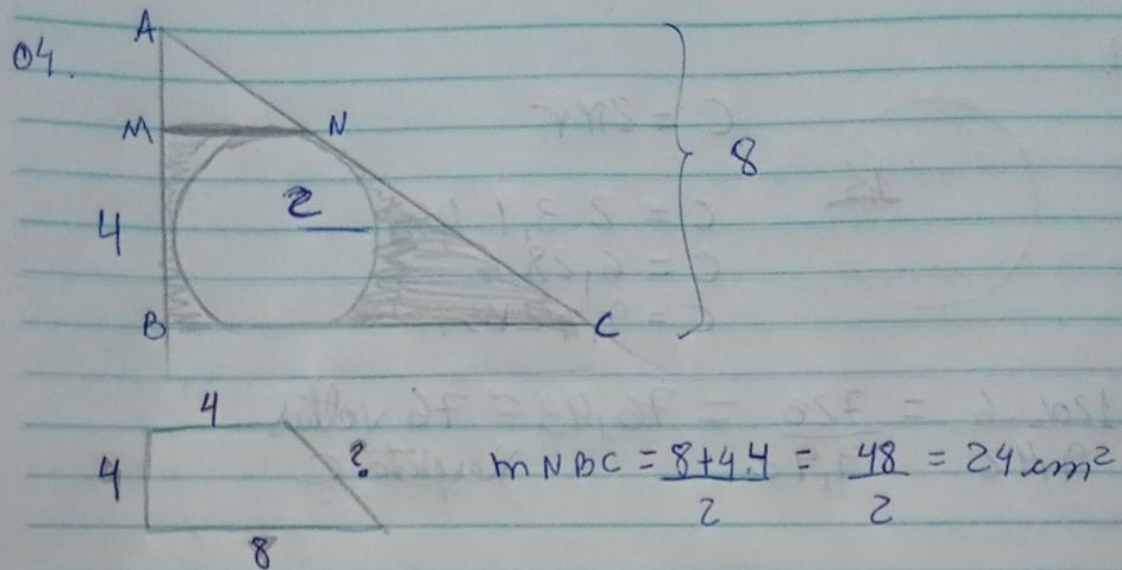
$$\pi \cdot r^2 - \frac{(2r)^2}{2}$$

$$\pi \cdot 4^2 - 2 \cdot 4^2$$

$$\pi - 2$$

Resposta D

Exercícios 4 e 5

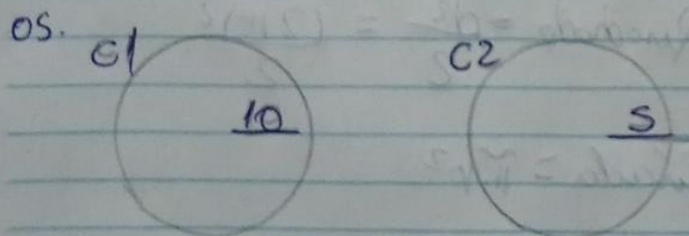


$$mNBC = \frac{8+4 \cdot 4}{2} = \frac{48}{2} = 24 \text{ cm}^2$$

$$\begin{aligned} \text{círculo} &= \pi \cdot r^2 \\ &= 3,14 \cdot 2^2 \\ &= 12,4 \text{ cm}^2 \end{aligned}$$

$$24 - 12,4 = 11,6 \text{ cm}^2 //$$

Resposta A



$$C1 = \pi \cdot 10^2$$

$$C1 = 100\pi$$

$$\frac{100\pi}{10\pi} = 10 \text{ cm}$$

Resposta C

$$C2 = 2\pi \cdot 5$$

$$C2 = 10\pi$$

Exercícios 6 e 7

06.

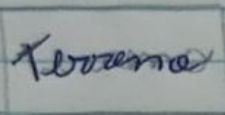
$$D = 0,02 \cdot 10^{-3} \text{ mm}$$

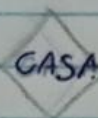
$$0,1 \cdot 0,1 = \frac{0,1}{0,00002} = 5000 \text{ ou } 5 \cdot 10^3$$

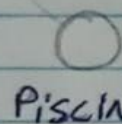
$$5 \cdot 10^3 \cdot 5 \cdot 10^3 = 25 \cdot 10^{10} //$$

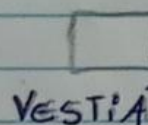
Resposta C

07.

 ~~Terreno~~  $\rightarrow 15 \cdot 40 = 600 \text{ m}^2$

 CASA  $\rightarrow \frac{24 \cdot 12}{2} = 144 \text{ m}^2$

 PISCINA  $\rightarrow 3,14 \cdot 4^2 = 50,24 \text{ m}^2$

 VESTIÁRIO  $\rightarrow 3,5 \cdot 3,5 = 12,25 \text{ m}^2$

Casa + Piscina + Vestiário =  
 $144 + 50,24 + 12,25 = 206,49$

$$600 - 206,49 = 393,51$$

$$393,51 \cdot 2,40 \approx 944,40 //$$

Resposta C

