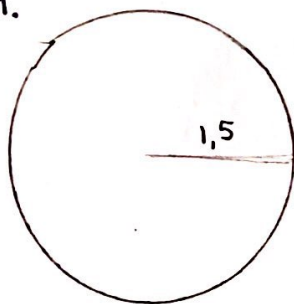


TAREFA: ÁREA DO CÍRCULO

1.



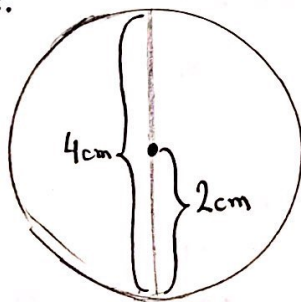
$$\begin{aligned} 2p &= 2\pi r \\ 2p &= 2,34 \cdot 1,5 \\ 2p &= 6,28 \cdot 1,5 \\ 2p &= 9,42 \text{ cm} \end{aligned}$$

$$\begin{aligned} 1L &\times 6 \text{ km} \\ 120L &\times \\ x &= 120 \cdot 6 \\ x &= 720 \text{ km} \end{aligned}$$

$$720 / 9,42 \rightarrow 76,43$$

R:C

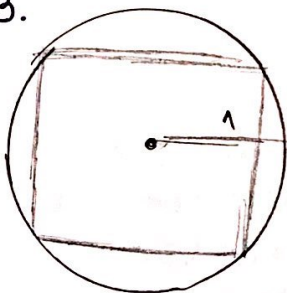
2.



$$\begin{aligned} 2p &= 2\pi r \cdot 10 \\ 2p &= 2\pi \cdot 2 \cdot 10 \\ 2p &= 40\pi \end{aligned}$$

R:C

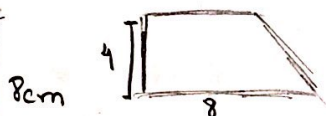
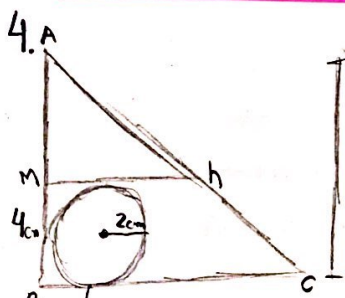
3.



$$\begin{aligned} O &= \pi r^2 \\ \square &= \frac{d^2}{2} \rightarrow \frac{(2r)^2}{2} \end{aligned}$$

$$\begin{aligned} \pi r^2 - \frac{(2r)^2}{2} &= \pi r^2 - \frac{4r^2}{2} \\ \pi r^2 - 2r^2 &\rightarrow \pi - 2 \end{aligned}$$

R:D



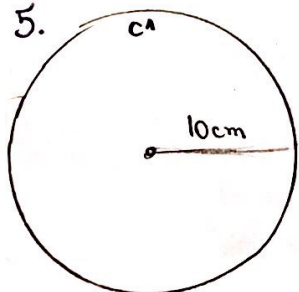
$$\begin{aligned} S_{mnbc} &= (8+4) \cdot 4 / 2 \\ S_{mnbc} &= 12 \cdot 4 / 2 \rightarrow 24 \text{ cm} \end{aligned}$$

$$\begin{aligned} RR &= 24 - 12,4 \\ RR &= 11,6 \text{ cm}^2 \end{aligned}$$

R:A

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

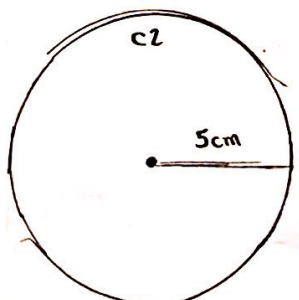
5.



$$\begin{aligned} S_{c1} &= \pi \cdot 10^2 \\ S_{c1} &= 100\pi \end{aligned}$$

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

R:C



$$\begin{aligned} 2p &= 2\pi \cdot 5 \\ 2p &= 10\pi \end{aligned}$$

6.

$$\begin{aligned} 1 \text{ cm}^2 &= 10 \text{ mm} \\ \text{Superfície} & \end{aligned}$$

$$0,02 \cdot 10^{-3} \text{ vírus}$$

$$\frac{10}{0,02 \cdot 10^{-3}} \rightarrow 500000 \rightarrow 5 \cdot 10^5$$

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

R:C

7.

$$\text{Terreno} = 40.15 = \boxed{600\text{m}^2}$$

$$\text{Casa} = 24.12/2 = \boxed{144\text{m}^2}$$

$$\text{Piscina} = 3,14.4^2 = \boxed{50,24\text{m}^2}$$

$$\text{Vestib rio} = 3,5^2 = \boxed{12,25\text{m}^2}$$

$$144 + 50,24 + 12,25 = \boxed{206,49}$$

$$600 - 206,49 = \boxed{393,51}$$

$$393,51.2,40 = 944,40$$

R: C