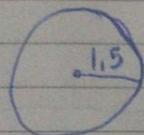


Nome: Gustavo Marinho Cordeiro Carvalho CT II 348

1-



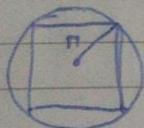
$$2p = 2\pi r = 2 \cdot 3,14 \cdot 1,5 = 9,42 \text{ Km}$$

$$\begin{aligned} 1L - C \text{ Km} &\rightarrow x = 720 \text{ Km} \\ 120L - x & \end{aligned} \quad \left\{ \begin{array}{l} 720 \approx 76 \text{ (C)} \\ 9,42 \end{array} \right.$$

$$\begin{aligned} 2 - d = 4 \text{ cm} \\ r = 2 \text{ cm} \end{aligned} \quad \left\{ \begin{array}{l} 2p = 2\pi \cdot 2 \\ 2p = 4\pi \end{array} \right.$$

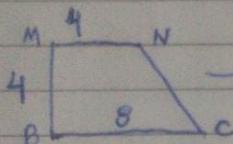
$$\begin{aligned} 4\pi \cdot 10 \text{ koltas} \\ 40\pi \end{aligned} \quad \text{(C)}$$

3-



$$\begin{aligned} S_0 &= \pi r^2 \\ S_{\square} &= \frac{d^2}{2} = \frac{(2r)^2}{2} = 2r^2 \end{aligned} \quad \left\{ \begin{array}{l} \pi r^2 - 2r^2 \\ = \pi - 2 \end{array} \right. \quad \text{(D)}$$

4-



$$\begin{aligned} S &= [2 \cdot 4] / 2 \\ &= 24 \text{ cm}^2 \end{aligned} \quad \left\{ \begin{array}{l} 2! \\ S = 3,1 \cdot 2 \\ = 12,4 \text{ cm}^2 \end{array} \right.$$

$$\text{Área hachurada} = 24 - 12,4 = 11,6 \text{ cm}^2 \quad \text{(A)}$$

5-

$$\begin{aligned} S_{c1} &= \pi 10^2 \\ &= 100\pi \end{aligned} \quad \left\{ \begin{array}{l} 2p \cdot d \cdot c_2 = 2\pi 5 \\ = 10\pi \end{array} \right. \quad \left\{ \begin{array}{l} 100\pi = 10 \text{ cm} \\ 10\pi \end{array} \right. \quad \text{(C)}$$

$$\begin{aligned} 6 - 1 \text{ cm}^2 &= 10 \text{ mm} \cdot 10 \text{ mm} \\ \frac{10}{2 \cdot 10^{-5}} &= 5 \cdot 10^5 \text{ vírus por link} \end{aligned} \quad \left\{ \begin{array}{l} (5 \cdot 10^5)^2 \\ 25 \cdot 10^{10} \end{array} \right. \quad \text{(C)}$$

$$7 - S_{\text{total}} = 40 \cdot 15 = 600 \text{ m}^2 \quad \left\{ \begin{array}{l} S_{\text{area}} = \frac{24 \cdot 12}{2} = 144 \text{ m}^2 \end{array} \right.$$

$$S_{\text{área}} = 3,14 \cdot 4^2 = 50,24 \text{ m}^2 \quad \left\{ \begin{array}{l} S_{\text{terreno}} = 3,15^2 = 12,25 \text{ m}^2 \end{array} \right.$$

$$144 + 50,24 + 12,25 = 206,49 \text{ m}^2$$

$$600 - 206,49 = 393,51 \text{ m}^2$$

$$393,51 \cdot 2,40 = R\$ 944,40 \quad \text{(C)}$$