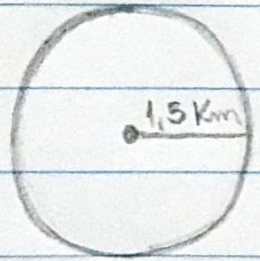
Tarefa Básica

① 

$C = 2 . 3,14 . 1,5$

$C = 9,42$ Km

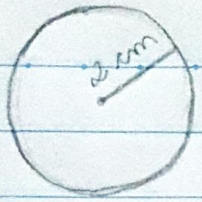
1L ——— 6 Km

120L ——— x

$x = 720$ Km

$\frac{720}{9,42} \cong 76$ Km

Alternativa ©

② 

$C = 2\pi r$

$C = 4\pi$

NÚMERO DE VOLTAS

$N = 10 \cdot 4\pi$

$N = 40\pi$

Alternativa ©

③ 

$r = 1$

$A_O = \pi r^2$

$A_O = \pi$

$A_{\square} = (\sqrt{2})^2$

$A_{\square} = 2$

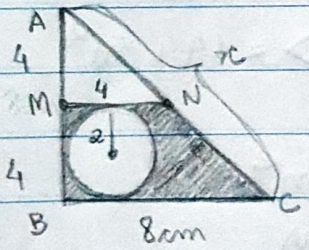
DIAGONAL $\square = l\sqrt{2}$

$2 = l\sqrt{2}$

$l = \frac{2 \cdot \sqrt{2}}{\sqrt{2}\sqrt{2}} = \frac{2\sqrt{2}}{2} = \sqrt{2}$

APINTADA $= \pi - 2$

Alternativa ⓓ

④ 

$x^2 = 8^2 + 8^2$

$x^2 = 128$

$x = 8\sqrt{2}$

$A_{\triangle} = \frac{8 \cdot 8}{2}$

$A_{\triangle} = 32\,cm^2$

128	2	8	2
64	2	4	2
32	2	2	2
16	2	1	

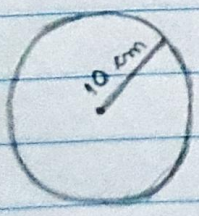
$A_O = \pi \cdot 2^2$

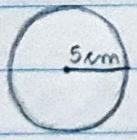
$A_O = 12,4\,cm^2$

$A_{\triangle MENOR} = \frac{4 \cdot 4}{2} = 8\,cm^2$

Alternativa Ⓐ

$A_{PINTADA} = 32 - 8 - 12,4 = 11,6\,cm^2$

⑤ 



$A_1 = \pi r^2$

$A_1 = 100\pi$

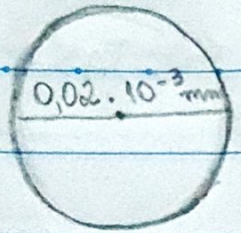
$C_2 = 2\pi r$

$C_2 = 10\pi$

$r = \frac{100\pi}{10\pi} = 10\,cm$

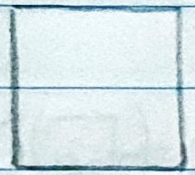
Alternativa ©

⑥



$d = 0,02.10^{-3}\ mm = 0,02.10^{-4}\ cm$

$$\frac{1\ cm}{0,02.10^{-4}\ cm} = 500.000 \text{ vírus}$$

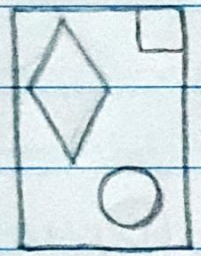


Alternativa ©

1 cm = 500000 vírus

1 cm . 1 cm = 500000 . 500000 = 25.10^{10}

⑦



$A_{\square} = 40.15$

$A_{\square} = 600\ m^2$

$A_{\square} = (3,5)^2$

$A_{\square} = 12,25\ m^2$

$A_{O} = 4^2 \pi$

$A_{O} = 16.3,14$

$A_{O} = 50,24\ m^2$

$A_{\diamond} = \frac{12.24}{2}$

$A_{\diamond} = 144\ m^2$

$1\ m^2$ GRAMA = R$ 2,40

$A_{GRAMADO} = 600 - 50,24 - 144 - 12,25 = 393,51\ m^2$

CUSTO TOTAL = 393,51 . 2,4 = 944,42 Reais

Alternativa ©