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• Área de círculo

① $C = 2 \cdot \pi \cdot r$

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

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

1 litro — 6 Km

120 litros — x Km

$x = 120 \cdot 6 \rightarrow x = 720 \text{ Km}$

$\overline{72000} \overline{1942}$

6060 76,4

4080

...

→ foram 76 voltas inteiras

③

② $C = 2 \cdot \pi \cdot r$

$r = 4$

$\frac{C}{2} \rightarrow r = 2$

$C = 2 \cdot \pi \cdot r$

$C = 2 \cdot 2 \cdot \pi$

$C = 4\pi$

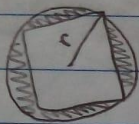
$L = 1 \text{ volta}$

$4\pi \cdot 10 \rightarrow \text{dez voltas}$

$\boxed{40\pi \text{ cm}}$

③

③



$2r = \text{diagonal do quadrado}$

Área do círculo

$A_c = \pi \cdot r^2 \rightarrow A_c = \pi \cdot 1^2$

$A_c = \pi$

$A_q = \text{Diagonal} \cdot r$

$A_q = 2 \cdot 1$

$A_q = 2$

$A_n = A_c - A_q$

$\rightarrow \boxed{A_n = \pi - 2}$

①

4

$A = \frac{8 \cdot 8}{2} \rightarrow 32 \text{ cm}^2$
 $A = \frac{4 \cdot 4}{2} \rightarrow 8 \text{ cm}^2$
 $A_c = \pi \cdot r^2 \rightarrow 3,14 \cdot 2^2$
 $A_c = 12,4 \text{ cm}^2$

tilibra

região hachurada = $\overline{ABC} - \overline{AMN} - A_c$
 $= 32 - 8 - 12,4$
 região hachurada = $11,6 \text{ cm}^2$

A

6

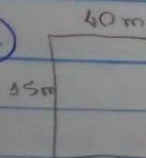
$1 \text{ cm}^2 \rightarrow 100 \text{ mm}^2$
 $A = l^2$
 $100 = l^2 \rightarrow l = \sqrt{100}$
 $l = 10 \text{ m}$

N° vírus com soma flexão de 10 mm
 $N = \frac{10}{0,02 \cdot 10^{-3}}$
 $N = 500.000$ vírus

$A_v = 500.000 \cdot 500.000$
 $A_v = 25 \cdot 10^{10}$ vírus

C

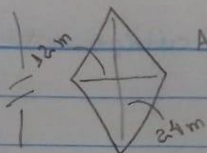
7



$$A_n = l \cdot l$$

$$A_n = 40 \cdot 15$$

$$A_n = 600 \text{ m}^2$$



$$A_L = d \left(\frac{d}{2} \right)$$

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

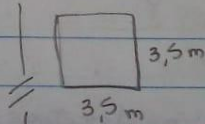


$$A_c = \pi \cdot r^2$$

$$A_c = 3,14 \cdot 4^2$$

$$A_c = 3,14 \cdot 16$$

$$A_c = 50,24 \text{ m}^2$$



$$A_q = l^2$$

$$A_q = 3,5^2$$

$$A_q = 12,25 \text{ m}^2$$

$$A_{\text{restante}} = A_n - A_c - A_L - A_q \rightarrow \text{Área restante} = 600 - 50,24 - 12,25 - 144$$

$$\text{Área restante} = 393,51 \rightarrow 393,5 \text{ m}^2$$

(C)

$$\text{gramado} = 393,5 \cdot 2,4$$

$$\text{gasto com} = \text{R\$ } 944,40$$

gramado