Tarefa Básica – Área do Círculo

(01) $C = 2.\pi.R$ $\quad R = 1,5$

$C = 2.\pi.1,5 \rightarrow 3\pi$

$C_T = 3.\pi.n = 720\,km$ $\quad$ 1L a cada 6km $\rightarrow$ 120.6 = 720

$n = \frac{720}{3\pi} = 76,39$ (C) //

(02) $C = 2.\pi.R$ $\quad R = 2cm$

$C_1 = 2.\pi.2$

$C_1 = 4\pi$ $\quad$ 10 voltas

$C_1 = 10.4\pi = 40\pi\,cm$ // (C)

(03) $A_C = \pi.R^2 = \pi$ //

$d = l\sqrt{2}$ $\quad A_q = l^2$ $\quad$ $A_{ci} = \pi - 2$ (D) //

$2 = l\sqrt{2}$ $\quad A_q = (\sqrt{2})^2 = 2$ //

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

(04) $A = \frac{(B+b)h}{2}$ $\quad B = 8cm$ $\quad b = 4$

$\frac{cab}{cam} = \frac{d+c}{mm} \rightarrow \frac{8}{4} = \frac{8}{x}$ $\quad 8x = 8.4$ $\quad x = \frac{32}{8} = 4$

$A_T = \frac{(8+4)4}{2} = \frac{48}{2} = 24cm^2$ //

$A_C = 2.\pi.R$

$A_C = 3,1.2^2$

$A_C = 12,4cm^2$ // (C)

$A_T - A_C = 24 - 12,4 = 11,6\,cm^2$ // (A)

(05) $\frac{\pi . R_1^2}{2\pi . R_2} = \frac{100}{10} = 10\,cm$ (C)

(06) $0,02 \times 10^{-3}\,mm = 2 \times 10^{-5}\,mm = 2 \times 10^{-6}\,cm$

$Aq = 2 \times 10^{-6} \cdot 2 \times 10^{-6} = 4 \times 10^{-12}\,cm^2$

$n = \frac{1\,cm^2}{4 \times 10^{-12}\,cm^2} = 0,25 \times 10^{12} = 25 \times 10^{10}$ // (C)

(07) $A = 40.15 - \frac{24.12}{2} - \pi . 4^2 - (3,5)^2$

$A = 600 - 144 - 50,24 - 12,25 \quad A = 393,51\,m^2$

$393,51 . 2,40 = 944,42$ (C) //