Tarefa Básica - Área do Círculo

01. $2p = 2\pi r$
$2p = 2 \cdot 3,14 \cdot 1,5$
$2p = 9,42$ km

1 L = 6 km
120L x km
$x = 120 \cdot 6 = 720$ km

$\frac{720}{9,42} = \boxed{76,43}$ (C)

02. $2\pi r \cdot 10 = 2\pi 2 \cdot 10 = \boxed{40\pi}$ (C)

03. $S_O = \pi r^2$
$S_\square = \frac{d^2}{2} = \frac{(2r)^2}{2}$

$\pi r^2 - \frac{(2r)^2}{2}$

$\pi r^2 - 2r^2$

$\boxed{\pi - 2}$ (D)

04. $S_\square = \frac{(8+4) \cdot 4}{2} = \frac{12 \cdot 4}{2} = 24\ cm^2$

$S_O = 3,1 \cdot 2^2 = 12,4\ cm^2$

região rachurada $= 24 - 12,4 = \boxed{11,6\ cm^2}$ (A)

05. $\frac{\pi \cdot 10^2}{2\pi \cdot 5} = \frac{100\pi}{10\pi} = \boxed{10\ cm}$ (C)

06. $1\ cm = 10\ mm \cdot 10\ mm$
$d = 0,02 \cdot 10^{-3}$

$\frac{10}{0,02 \cdot 10^{-3}} = 500\,000 = 5 \cdot 10^5$

$(5 \cdot 10^5)^2 = \boxed{25 \cdot 10^{10}}$ (C)

07. $A = 40 \cdot 15 = 600\ m^2$

casa $= (24 \cdot 12)/2 = 144\ m^2$

piscina $= 3{,}14 \cdot 4^2 = 50{,}24\ m^2$

vestiário $= 3{,}5^2 = 12{,}25\ m^2$

$600 - (144 + 50{,}24 + 12{,}25) =$

$= 600 - 206{,}49$

$= 393{,}51$

(C)

$393{,}51 \cdot 2{,}4 =$ **R$ 944,40**