Exercícios

01- 11 — 6 km → x = 720 km
120 l — x

C = 2πr
C = 2.3,14.1,5
C = 9,42 km

Vol = 720 / 9,42
Vol ≅ 76

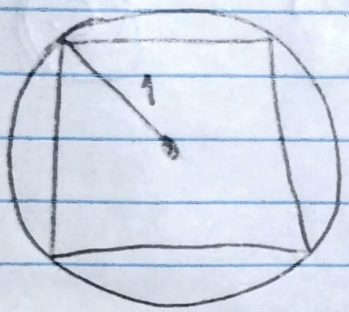
(C)

02- C = 2πr
C = 2π2
C = 4π

Perímetro: 4π.10 = 40π

(C)

03-



A○ = πR²
AO = π

A□ = l²
A□ = (√2)²
A□ = 2

A□ → d = l√2
2 = l√2
l = 2√2 / 2
l = √2

Área externa = AO - A□
= π - 2

(D)

04- A△ = (B+b).h / 2

A△ = (8+4).4 / 2

A△ = 48 / 2

A△ = 24

AO = πr²
AO = 3,1.2²
AO = 12,4

AHach = 24 - 12,4
AHach = 11,6 cm²

(A)

05- $SC1 = \pi r^2$ $CC2 = 2\pi r$ $R = \frac{SC1}{CC2} = \frac{100\pi}{20\pi} = 10\,cm$

$SC1 = \pi \cdot 10^2$ $CC2 = 2\pi S$

$SC1 = 100\pi$ $CC2 = 10\pi$

(C)

06- $Fibra = \frac{10}{0,02 \cdot 10^{-3}} = 500000$ $1\,cm = 10\,mm$

$FXF = (5.10^5).(5.10^5) = 25.10^{10}$

(C)

07- $A\square = b.h = 40.15 = 600$

$A\diamond = (D.d)/2 = (24.12)/2 = 144$

$A\,O = \pi.R^2 = 3,14.4^2 = 50,24$ $\left.\right\} + = 206,49\,m^2$

$A\,\square = l^2 = 3,5^2 = 12,25$

$Grama = 600 - 206,49 = 393,51\,m^2$

$Preço = 393,5 . 2,40 \cong 944,4$

(C)