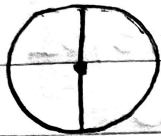


Danielle Medeiros Amaral - CT11314

Área do Círculo

1. $r = 1,5 \text{ km}$ $C = 2 \cdot \pi \cdot R$ $C = 2 \cdot \pi \cdot 1,5$ $C = 3\pi$ $Ct = 3 \cdot \pi \cdot n$

$11 = 6 \text{ km}$ $120 \cdot 6 = 720 \text{ km}$ $720 \text{ km} = 3\pi \cdot n = n = \frac{720}{3\pi} = 76$ letra C

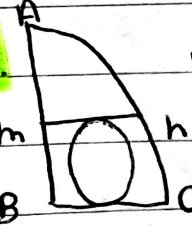
2.  $d = 4 \text{ cm}$ $2 \cdot \pi \cdot 2 = 10$ $4\pi \cdot 10 = 40\pi$
 $v = 10$ $4\pi = 10$ letra C

3. $A_c = \pi \cdot r \cdot 2$ $3,14 \cdot (1)^2$ $A_c = 3,14 \text{ u}^2$

$$d^2 = l^2 + l^2 = 2l^2$$

$$d = 2 \cdot r = 1,2 = 2$$
 $2^2 = 2l^2$ $l^2 = 2$ $l = \sqrt{2}$

$$A_q = 1^2 = (\sqrt{2})^2$$
 2 u^2 $A_c - A_q = 3,14 - 2 = 1,14 \text{ u}^2 = \pi - 2$ letra D

4.  trapezoid mncb
 $A = \frac{(B+b)h}{2}$ $B = 8$ $ab = bc$ $8 = 8$ $x = 4$
 $am = mn$ $4 \cdot x$

$$A = \frac{(8+4)4}{2}$$
 $A = 24 \text{ cm}^2$ $A_c = \pi \cdot r^2$ $A_c = 12,4 \text{ cm}^2$
 $A_c = 3,1 \cdot 2^2$ $A_c = A_t = A_{\text{achurado}}$

$$24 - 12,4 = 11,6 \text{ cm}^2$$
 letra A

5. C1 Área C2 Perímetro $C1 = \pi \cdot 10^2$ $A_{c1} = 100\pi$
 $R_i = 10 \text{ cm}$ $R = 5 \text{ cm}$ $P_{c2} = \frac{C1}{2 \cdot 5} = 3,14$ $C2 = 3,14 \cdot 10$

$$R = \frac{C1}{C2} = \frac{100\pi}{10 \cdot 3,14} = \frac{10\pi}{\pi} = 10 \text{ cm}$$
 letra C

$$6. \pi^2 = 100 \pi = 10 \text{ mm}$$

$$N = 10$$

$$0,02 \cdot 10^{-3}$$

$$N = 5000000 \cdot 5000000 = 25 \cdot 10^{10} \text{ letna C}$$

$$7. \left. \begin{array}{l} At = b \cdot h \quad 40 \cdot 25 = 600 \\ Ac = \frac{D \cdot d}{2} \quad \frac{24 \cdot 12}{2} = 144 \end{array} \right\} \begin{array}{l} AD = (\pi \cdot r^2) = 3,14 \cdot 16 = 50,24 \\ AR = r^2 = 3,5^2 = 12,25 \end{array}$$

$$G = 600 - (144 + 50,24 + 12,25) \quad G = 600 - 206,49 = 393,51$$

$$1 \text{ m}^2 \quad 2,40 \quad \pi = 393,51 \cdot 2,40 \approx 944,40 \text{ letna C}$$

$$393,51 \quad \pi \quad \pi = 944,424$$