

**Nome:** Luiz Felipe Ciantela Machado

**Turma:** CTII 348

**Prontuário:** CB1990209

**Disciplina:** Matemática

IFSP - Câmpus Cubatão

---

Tarefa Básica 02

Área do Círculo

(Fotos nas páginas seguintes)

# Exercícios 1, 2, 3 e 4:

## Matemática 2 - Área do Círculo

### Série Básica

1-1

13km

$$2p = 2\pi r$$

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

$$2p = 6,28 \cdot 1,5$$

$$2p = 9,42 \text{ km}$$

$$1L = 6 \text{ km}$$

$$120L = x \text{ km}$$

$$x = 120 \cdot 6$$

$$x = 720 \text{ km}$$

720  
9,42

$$76,43 = 76$$

$\rightarrow$  Sétima C.

2-1

24cm

$$2p = 2\pi r \cdot 10$$

$$2p = 2\pi \cdot 24 \cdot 10$$

$$2p = 48\pi \text{ cm} \rightarrow \text{Sétima C.}$$

3-1

11

$$S_0 = \pi r^2$$

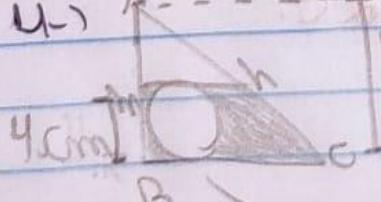
$$S_0 = \frac{\Delta}{4} \rightarrow \text{Sétima}$$

$$\pi r^2 - (2a)^2 \Rightarrow \pi r^2 - 4a^2 \Rightarrow \pi r^2 - 2a^2$$

$$x = 4\pi - 2 \text{ m}$$

$\rightarrow$  Sétima D.

4-1



8cm

4cm

8cm

4cm

8cm

4cm

8cm

4cm

$$S_{mnBC} = \frac{(8+4) \cdot 4}{2}$$

$$S_{mnBC} = \frac{12 \cdot 4}{2} = 24 \text{ cm}^2$$

$$30 = \pi r^2 \rightarrow$$

$$30 = 3,14 \cdot r^2$$

$$30 = 12,4 \text{ cm}^2$$

Região

$$Rosto de rosto = 24 - 12,4$$

$$= 11,6 \text{ cm}^2 \rightarrow \text{Sétima A}$$

## Exercícios 5, 6 e 7:

$$5 \rightarrow C_1 \quad \text{Circles} \quad C_2 \quad 5 \text{ cm} \quad \frac{100\%}{10\%} = 10 \text{ cm} \quad \boxed{10.5 \text{ cm}}$$

$$Sc_1 = \pi \cdot 10^2$$

$$2\rho = 2\pi \cdot 5$$

$$2P = 10\pi$$

$$6-) \quad \frac{15\text{m}^2}{10\text{mm}} = \frac{10}{0,02 \cdot 10^3} = 500000 \rightarrow 5 \cdot 10^5 \text{ L/m}^2 \text{ per sec filling.}$$

$$\text{diametru } \text{al} = 0,02 \cdot 10^{-3} \text{ ) } 5 \cdot 10^5 \cdot 5 \cdot 10^5 = 25 \cdot 10^{-10} \text{ m}$$

$$7) \text{ Service} = 40 \cdot 15 = 600 \text{ m}^2 \quad (144 + 50,24 + 12,25 = 206,49)$$

$$G_{22} = 24 \cdot 12 = 144 \text{ m}^2$$

$$600 - 206,49 = \boxed{393,51}$$

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

$$\text{Volumen} = 3,5^2 = \boxed{12,25 \text{ m}^2} \quad (\therefore = \boxed{R\text{IN} 944,40})$$

*Llana C.*