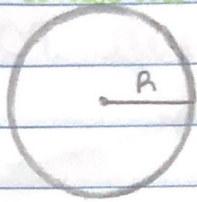


## área do círculo

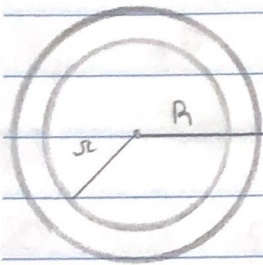
23/07

▷ área do círculo



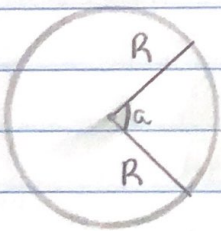
$$A = \pi \cdot r^2$$

▷ coroa circular



$$A_{\text{coroa}} = \pi (R^2 - r^2)$$

▷ setor circular

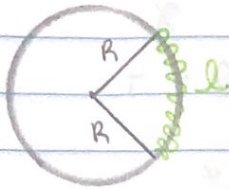


$$A_{\text{setor}} = \frac{\pi R^2 \alpha}{360}$$

$$\text{ângulo} = \theta \rightarrow A_{\text{setor}} = \frac{\theta R^2}{2}$$

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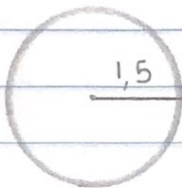
Sendo  $l$  o comprimento do arco



$$A_{\text{setor}} = \frac{lB}{2}$$

exercício  
básico!

01.



$$C = 2\pi \cdot r$$

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

$$C = 9,42 \text{ km}$$

$$120 \cdot 6 = 720 \text{ l}$$

$$\frac{720}{9,42} \approx 76 \text{ voltas}$$

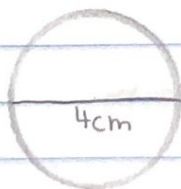
c//

02. 10 voltas

$$r = 2 \text{ cm}$$

$$C = 2\pi \cdot r$$

$$C = 4\pi$$



$$10 \cdot 4\pi = 40\pi \text{ cm}$$

c//

03. Área =  $\pi \cdot r^2$

$$= 3,14 \cdot 1^2$$

$$d^2 = l^2 + l^2 \quad ?$$



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04.  $A = (B+b) \cdot h$   $B = 8$   
 $b = 4 \rightarrow \frac{8}{4} = \frac{8}{x}$  semelh. de  $\Delta$   
 $A = \frac{(8+4) \cdot 4}{2}$   
 $x = 4$

$$A = 48$$

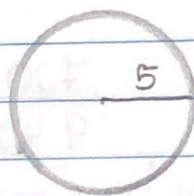
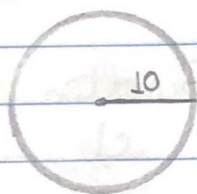
$$A = 24 \text{ m}^2$$

$$A_c = \pi \cdot r^2$$
$$= 3,14 \cdot 2^2$$

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

$$A \text{ rachurada} = 24 - 12,4$$
$$= 11,6 \quad \text{c//}$$

05.



$$\frac{\pi \cdot r^2}{2\pi \cdot r} = \frac{10 \text{ cm}}{5}$$
$$\text{c//}$$

? 06.  $\ell \text{ de } \square \rightarrow x^2 = 100x = 10 \text{ mm}$

$$n = \frac{10}{0,02 \cdot 10^{-3}} = 5000000$$

$$5000000 \cdot 5000000 = 25 \cdot 10^{10} \text{ núm}$$

c//

07.