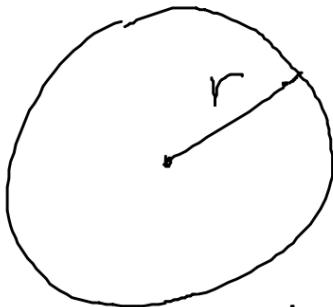
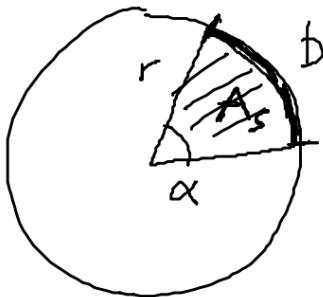


Ympyrä



Sektori



$$\text{Kehä} = p = 2\pi r$$

$$\text{Ala} = A = \pi r^2$$

A_s = sektorin ala

b = kaaren pituus

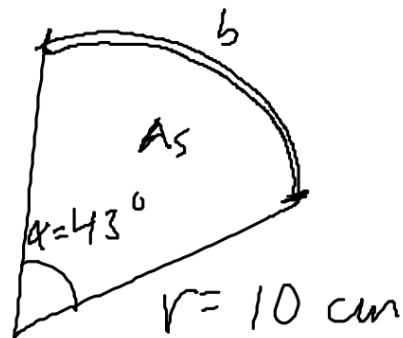
α ja A_s suoraan verrann.

α ja b —||—

kulma	Ala
360°	πr^2
α	A_s

kulma	Kaari
360°	$2\pi r$
α	b

Esim.



Laske kaaren pituus ja sekt. ala.

kulma	kaari (cm)
360°	$2\pi \cdot 10$
43°	b

$$360 \cdot b = 43 \cdot 2\pi \cdot 10 \quad || : 360^\circ$$

$$b = 7,5$$

$$V: 7,5 \text{ cm}$$

kulma	Ala (cm^2)
360°	$\pi \cdot 10^2$
43°	A

$$360 A = 43 \cdot \pi \cdot 10^2$$

$$A = 37,5$$

$$V: 37,5 \text{ cm}^2$$

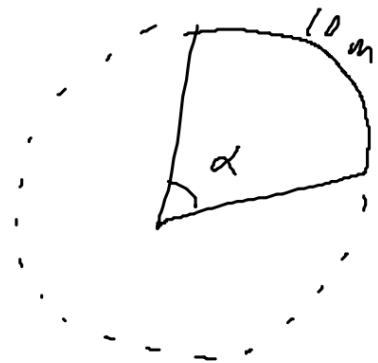
262.

$$p = 33 \text{ m} = 2tr$$

$$b = 10 \text{ m}$$

täiden ymp.
tiehot $\rightarrow$

Kulma(°)	Kaari(m)
360	33
α	10



$$33\alpha = 360 \cdot 10 \quad || : 33$$

$$\alpha = 109,09$$

$$V: \text{ n. } 110^\circ$$

270.

$$A_5 = 28 \text{ cm}^2$$

$$d = 24 \text{ cm} \rightarrow r = 12 \text{ cm}$$

kulma ($^\circ$)	Ala (cm^2)
360	$\pi \cdot 12^2 \approx 452,16$
α	28



$$452,16 \alpha = 10080 \quad || : 452,16$$

$$a) \alpha = 22,3^\circ$$

$$b) \text{ kappaloja} \quad \frac{360^\circ}{22,3^\circ} \approx 16,1$$

V: 16 palaa