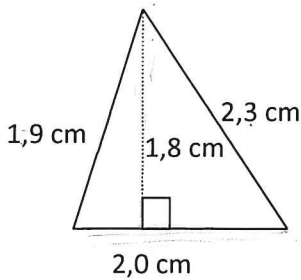


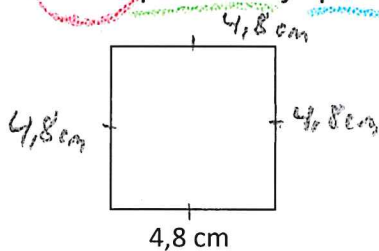
1. Laske kolmion pinta-ala ja piiri.



$$P = 2,0 \text{ cm} + 2,3 \text{ cm} + 1,9 \text{ cm} = 6,2 \text{ cm}$$

$$A = \frac{2,0 \text{ cm} \cdot 1,8 \text{ cm}}{2} = \frac{3,6 \text{ cm}^2}{2} = 1,8 \text{ cm}^2$$

Laske neliön pinta-ala ja piiri



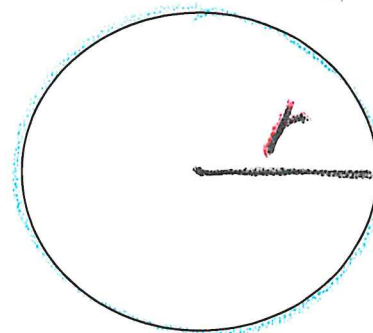
$$P = 4,8 \text{ cm} \cdot 4 = 19,2 \text{ cm}$$

$$A = 4,8 \text{ cm} \cdot 4,8 \text{ cm} = 23,04 \text{ cm}^2 \approx 23 \text{ cm}^2$$

$$\begin{aligned} & \approx 3,14 \\ & \downarrow \\ p &= 2\pi r \\ A &= \pi r^2 \end{aligned}$$

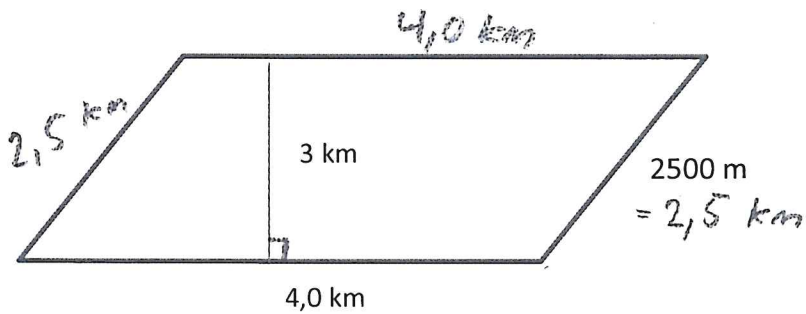
2. Ympyrän kehän pituus (piiri) on 125,6 cm. Mikä on ympyrän pinta-ala?

$$\begin{aligned} 2 \cdot 3,14 \cdot r &= 125,6 \\ 6,28 \cdot r &= 125,6 & \parallel : 6,28 \\ \hline r &= 20 \end{aligned}$$



$$\begin{aligned} A &= 3,14 \cdot (20 \text{ cm})^2 \\ &= 3,14 \cdot 400 \text{ cm}^2 \\ &= 1256 \text{ cm}^2 \end{aligned}$$

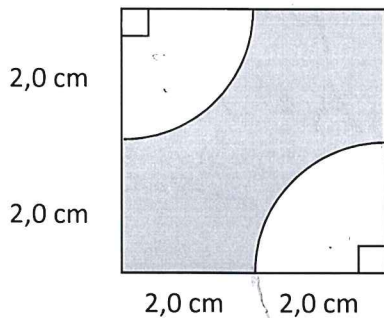
3. Mikä on suunnikaan muotoisen pellon piiri?
 Kuinka monta hehtaaria on pellon pinta-ala?



$$p = 4 \text{ km} + 4 \text{ km} + 2,5 \text{ km} + 2,5 \text{ km} = 13 \text{ km}$$

$$A = 4 \text{ km} \cdot 3 \text{ km} = 12 \text{ km}^2 = 1200 \text{ ha}$$

4. Laske harmaan alueen pinta-ala.



$$A = 4 \text{ cm} \cdot 4 \text{ cm} - \left(\frac{90^\circ}{360^\circ} \cdot 3,14 \cdot (2 \text{ cm})^2 \right) \cdot 2$$

$$= 16 \text{ cm}^2 - 3,14 \text{ cm}^2 \cdot 2$$

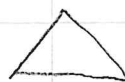
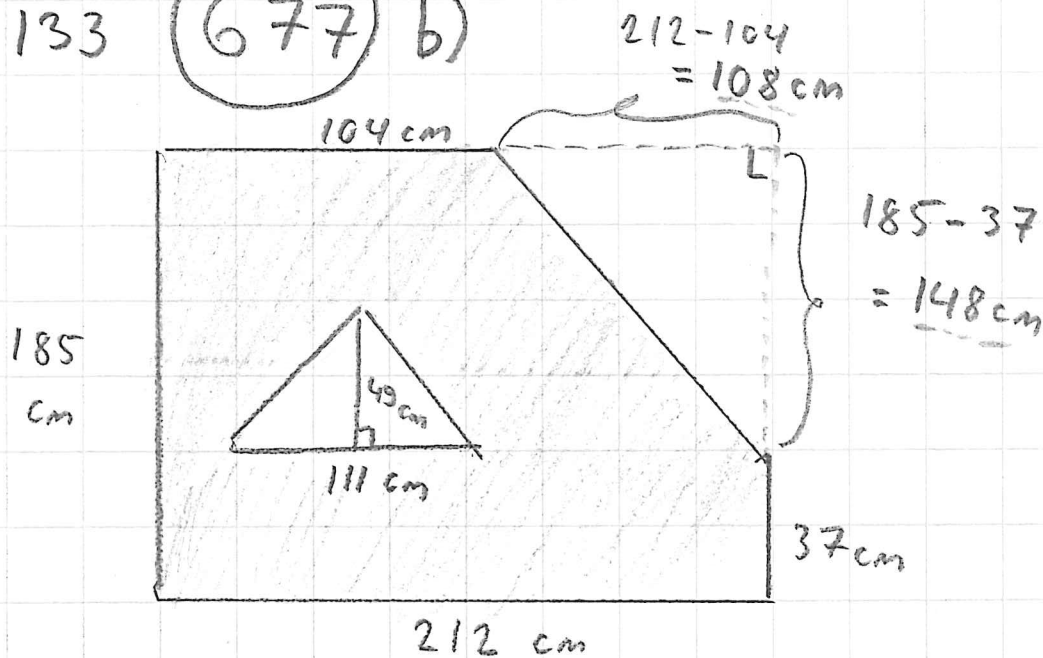
$$= 16 \text{ cm}^2 - 6,28 \text{ cm}^2$$

$$= 9,72 \text{ cm}^2$$

$$\approx 9,7 \text{ cm}^2$$

S. 133

(677) b)



$$A = 212 \text{ cm} \cdot 185 \text{ cm} - \frac{111 \text{ cm} \cdot 49 \text{ cm}}{2} - \frac{108 \text{ cm} \cdot 148 \text{ cm}}{2}$$

$$= 39\,220 \text{ cm}^2 - 2\,719,5 \text{ cm}^2 - 7\,992 \text{ cm}^2$$

$$= 28\,508,5 \text{ cm}^2 \quad (\text{m}^2)$$

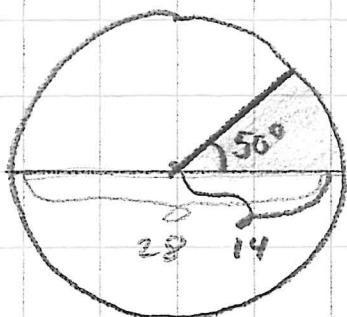
$$= 2,85085 \text{ m}^2$$

$$\approx 2,85 \text{ m}^2 \quad (\text{tai } \approx 2,9 \text{ m}^2)$$

S. 214

(985)

halkaisija 28 cm (d)



$$A = \frac{50^\circ}{360^\circ} \cdot 3,14 \cdot (14 \text{ cm})^2$$

$$= 85,477... \text{ cm}^2$$

$$\approx 85 \text{ cm}^2$$

$$r = \frac{28 \text{ cm}}{2} = 14 \text{ cm}$$

