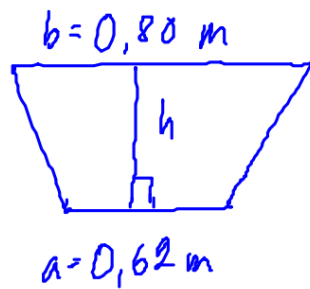


228.



$$A = 0,50 \text{ m}^2$$

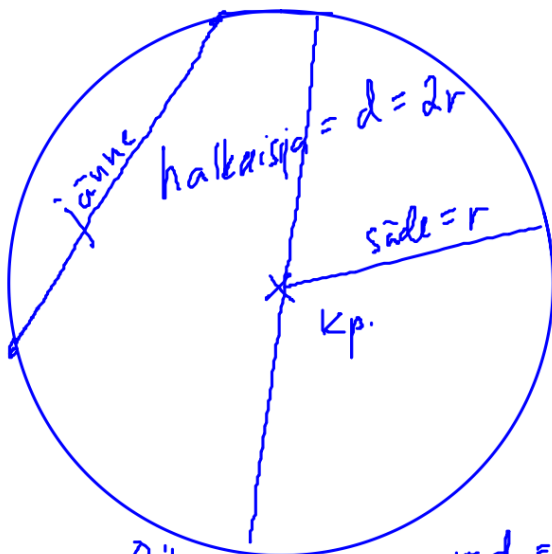
$$A = \frac{a+b}{2} \cdot h$$

$$\parallel : \frac{a+b}{2}$$

$$h = \frac{A}{\frac{a+b}{2}} = \frac{2A}{a+b} = \frac{2 \cdot 0,50 \text{ m}^2}{(0,80 + 0,62) \text{ m}}$$

$$h = 0,704 \text{ m} \approx \underline{\underline{0,7 \text{ m}}}$$

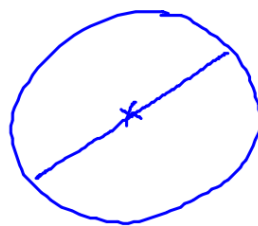
## Ympyrä



$$\text{Pieni} = \text{kehä} = p = \pi d = 2\pi r$$

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

249.



$$p = \frac{97 \text{ cm} = \pi d}{\pi}$$

$$d = \frac{p}{\pi} = \frac{97 \text{ cm}}{3,1415}$$

$$d = 30,877 \text{ cm}$$

$$r = \frac{d}{2} = \frac{30,877 \text{ cm}}{2} = 15,438 \text{ cm} \quad \approx \underline{\underline{31 \text{ cm}}}$$

$$A = \pi r^2 = \pi \cdot (15,438 \text{ cm})^2 = 748,789 \text{ cm}^2$$
$$\approx \underline{\underline{750 \text{ cm}^2}}$$

ϕ 51.



$$640 \text{ mm} \rightarrow r = 320 \text{ mm}$$

$$A = \pi \cdot 320^2 = 321699,1$$

prosentteina

$$\frac{182448,0}{321699,1}$$

$$= 0,567 \approx 57\%$$

$$\approx 57\%$$

Keltaista loput

$$\approx 43\%$$

$$r_1 = 320 - 10 - 115 = 195$$

$$r_2 = 320 - 10 = 310$$

$$A_1 = \pi r_1^2 = 119459,1$$

$$A_2 = \pi r_2^2 = 301907,1$$

$$A_2 - A_1 = 182448,0 \text{ pun. ala}$$

Esim. Ala  $800 \text{ cm}^2$ , laske pörr.



$$A = \pi r^2 \quad || : \pi$$

$$r^2 = \frac{A}{\pi} \quad || \sqrt{\quad}$$

$$r = \sqrt{\frac{A}{\pi}} = \sqrt{\frac{800}{\pi}}$$

$$= 15,96 \text{ (cm)}$$

$$p = 2\pi r = 100,3 \text{ (cm)}$$