

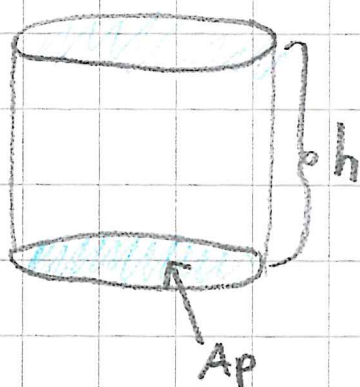
S.21

Lieriö

tilavuus = pohjan pinta-ala • korkeus

$$V = A_p \cdot h$$

• ympyrälieriö



$$V = A_p \cdot h$$

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

53 a)

$$r = 4,0 \text{ cm} \quad h = 6,0 \text{ cm}$$

$$V = \overset{\pi}{3,14} \cdot \overset{r^2}{4 \text{ cm} \cdot 4 \text{ cm}} \cdot \overset{h}{6 \text{ cm}}$$

$$= 301,44 \text{ cm}^3$$

$$\approx 300 \text{ cm}^3$$

b) $V = 3,14 \cdot 2 \text{ m} \cdot 2 \text{ m} \cdot 7 \text{ m}$

$$= 87,92 \text{ m}^3$$

$$\approx 88 \text{ m}^3$$

c) halkaisija $d = 5 \text{ cm}$, $r = \frac{5 \text{ cm}}{2} = 2,5 \text{ cm}$

$$V = 3,14 \cdot 2,5 \text{ cm} \cdot 2,5 \text{ cm} \cdot 5 \text{ cm}$$

$$= 98,125 \text{ cm}^3 \approx 98 \text{ cm}^3$$

Särmöö

LIERIÖ, JOSSA ON POHJA
MONIKULMIO

$$V = A_p \cdot h$$

(54)

$$a) V = \overset{A_p}{4 \text{ cm}} \cdot \overset{h}{3 \text{ cm}} \cdot 2,5 \text{ cm} = 30 \text{ cm}^3$$

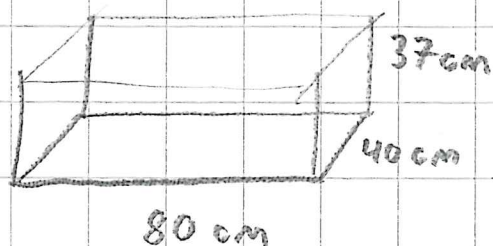
$$b) V = 2 \text{ cm} \cdot 2 \text{ cm} \cdot 8 \text{ cm} = 32 \text{ cm}^3$$

c)



$$V = \frac{1,5 \text{ m} \cdot 1,5 \text{ m}}{2} \cdot 2 \text{ m} = 2,25 \text{ m}^3$$

(56)



$$\begin{aligned} V &= 80 \text{ cm} \cdot 40 \text{ cm} \cdot 37 \text{ cm} \\ &= 118.400 \text{ cm}^3 \\ &= 118,4 \text{ dm}^3 \\ &= 118,4 \text{ l} \end{aligned}$$

5.25

(69)

(70)