

S. 34

(110) a)

Pallo

$$V = \frac{4 \pi r^3}{3}$$

säde $r = 65 \text{ mm}$

$$V = \frac{4 \cdot 3,14 \cdot (65 \text{ mm})^3}{3}$$

$$= 1\,149\,763,33... \text{ mm}^3$$

$$\approx 1\,100\,000 \text{ mm}^3$$

$$= 1,1 \text{ dm}^3$$

$$b) \quad V = \frac{4 \cdot 3,14 \cdot (6,4 \text{ dm})^3}{3}$$

$$d = 12,8 \text{ dm} \quad = 1\,097,50... \text{ dm}^3$$

$$r = 6,4 \text{ dm} \quad \approx 1\,100 \text{ dm}^3$$

$$(= 1,1 \text{ m}^3)$$

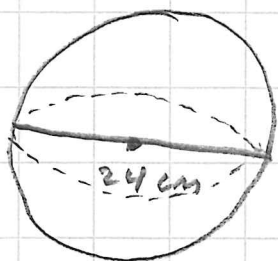
$$c) \quad V = \frac{4 \cdot 3,14 \cdot (25 \text{ cm})^3}{3}$$

$$= 65\,416,66... \text{ cm}^3$$

$$\approx 65\,000 \text{ cm}^3$$

$$(= 65 \text{ dm}^3)$$

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halkaisija $d = 24 \text{ cm}$
säde $r = 12 \text{ cm}$

$$V = \frac{4 \cdot 3,14 \cdot (12 \text{ cm})^3}{3}$$
$$= 7234,56 \text{ cm}^3$$

93% vettä

1% = 0,01

$$0,93 \cdot 7234,56 \text{ cm}^3$$
$$= 6728,1408... \text{ cm}^3$$
$$\approx 6700 \text{ cm}^3$$
$$= 6,7 \text{ dm}^3$$
$$= 6,7 \text{ l}$$
$$= 67 \text{ dl}$$