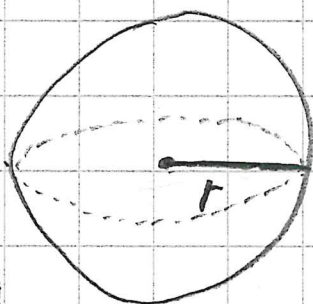


S.32

Pallo



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

S.33

94

a) $V = \frac{4 \cdot 3,14 \cdot (5\text{ cm})^3}{3}$

$$= 523,33... \text{ cm}^3$$

$$\approx 520 \text{ cm}^3$$

b) $d = 12\text{ m}, r = \frac{12\text{ m}}{2} = 6\text{ m}$

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

$$= 904,32 \text{ m}^3$$

$$\approx 900 \text{ m}^3$$

c) $V = \frac{4 \cdot 3,14 \cdot (7\text{ mm})^3}{3}$

$$= 1436,026... \text{ mm}^3$$

$$\approx 1400 \text{ mm}^3$$

101

Taikina

2 litraa

$$= 2 \text{ dm}^3$$

$$= 2000 \text{ cm}^3$$

$$1 \text{ l} = 1 \text{ dl}$$



$$d = 6 \text{ cm}$$

$$r = \frac{6 \text{ cm}}{2} = 3 \text{ cm}$$

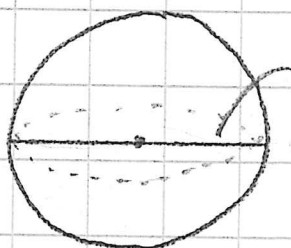
$$V = \frac{4 \cdot 3,14 \cdot (3 \text{ cm})^3}{3} = 113,04 \text{ cm}^3$$
$$\approx 113 \text{ cm}^3$$

$$\frac{2000 \text{ cm}^3}{113 \text{ cm}^3} = 17,699...$$

V: 17 munkkia

114

s. 34



$$d = 24 \text{ cm}, r = \frac{24 \text{ cm}}{2} = 12 \text{ cm}$$

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

$$= 7234,56 \text{ cm}^3$$

93% vettä

$$0,93 \cdot 7234,56 \text{ cm}^3$$

$$= 6728,1408 \text{ cm}^3$$

$$\approx 6700 \text{ cm}^3$$

$$= 6,7 \text{ dm}^3$$

$$= 6,7 \text{ l}$$

$$= 67 \text{ dl}$$

$$1 \text{ l} = 10 \text{ dl}$$

s. 39

148 152 155