

101

Taikinaa $2\ell = 2\text{ dm}^3 = 2000\text{ cm}^3$

Munkin halkaisija on 6 cm.

säde $r = 3\text{ cm}$.

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

$$\frac{2000\text{ cm}^3}{113,04\text{ cm}^3} = 17,69\dots$$

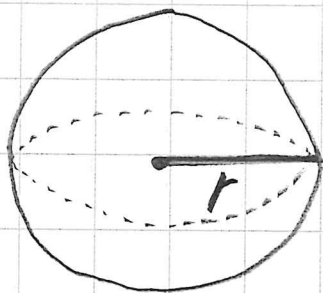
VASTAUS: 17 munkkia.

110

s. 34

114

S.32

Pallo

tilavuus

 $\approx 3,14$

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

S.33

(94)

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

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

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

$$b) d = 12\text{ m}$$

$$\boxed{r = 6\text{ m}}$$

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

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

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

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

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

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