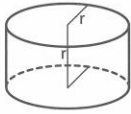


N I: Stelle je einen Term für das Volumen der Körper auf.

N II: Berechne je das Volumen für $r = 10$ cm.

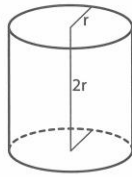
1.



$$V = \pi \cdot r^3$$

$$V \approx 3141.6 \text{ cm}^3$$

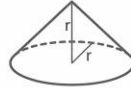
2.



$$V = 2\pi \cdot r^3$$

$$V \approx 6283.2 \text{ cm}^3$$

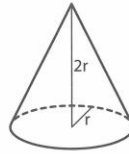
3.



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

$$V \approx 1047.2 \text{ cm}^3$$

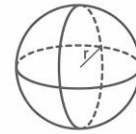
4.



$$V = \frac{2\pi \cdot r^3}{3}$$

$$V \approx 2094.4 \text{ cm}^3$$

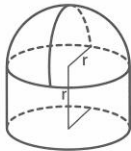
5.



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

$$V \approx 4188.8 \text{ cm}^3$$

6.

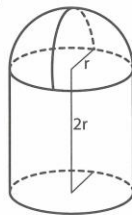


$$V = \pi \cdot r^3 + \frac{2\pi \cdot r^3}{3}$$

$$= \frac{5\pi \cdot r^3}{3}$$

$$V \approx 5236.0 \text{ cm}^3$$

7.

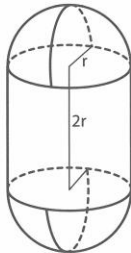


$$V = 2\pi \cdot r^3 + \frac{2\pi \cdot r^3}{3}$$

$$= \frac{8\pi \cdot r^3}{3}$$

$$V \approx 8377.6 \text{ cm}^3$$

8.

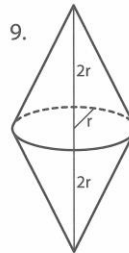


$$V = 2\pi \cdot r^3 + \frac{4\pi \cdot r^3}{3}$$

$$= \frac{10\pi \cdot r^3}{3}$$

$$V \approx 10'472.0 \text{ cm}^3$$

9.

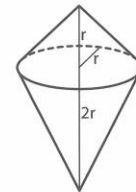


$$V = 2 \cdot \frac{2\pi \cdot r^3}{3}$$

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

$$V \approx 4188.8 \text{ cm}^3$$

10.

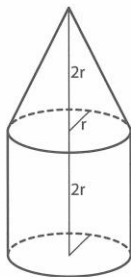


$$V = \frac{\pi \cdot r^3}{3} + \frac{2\pi \cdot r^3}{3}$$

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

$$V \approx 3141.6 \text{ cm}^3$$

11.

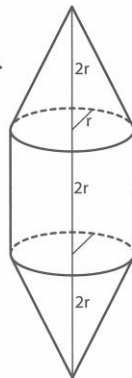


$$V = 2\pi \cdot r^3 + \frac{2\pi \cdot r^3}{3}$$

$$= \frac{8\pi \cdot r^3}{3}$$

$$V \approx 8377.6 \text{ cm}^3$$

12.

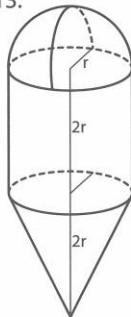


$$V = 2\pi \cdot r^3 + 2 \cdot \frac{2\pi \cdot r^3}{3}$$

$$= \frac{10\pi \cdot r^3}{3}$$

$$V \approx 10'472.0 \text{ cm}^3$$

13.

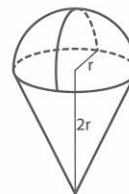


$$V = 2\pi \cdot r^3 + 2 \cdot \frac{2\pi \cdot r^3}{3}$$

$$= \frac{10\pi \cdot r^3}{3}$$

$$V \approx 10'472.0 \text{ cm}^3$$

14.



$$V = 2 \cdot \frac{2\pi \cdot r^3}{3}$$

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

$$V \approx 4188.8 \text{ cm}^3$$

15.



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

$$= \frac{5\pi \cdot r^3}{3}$$

$$V \approx 5236.0 \text{ cm}^3$$