

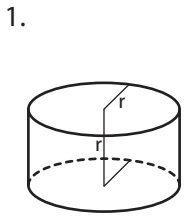
N I: Stelle je einen Term für das Volumen der Körper auf.

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

|     |     |     |     |     |
|-----|-----|-----|-----|-----|
| 1.  | 2.  | 3.  | 4.  | 5.  |
|     |     |     |     |     |
| 6.  | 7.  | 8.  | 9.  | 10. |
|     |     |     |     |     |
| 11. | 12. | 13. | 14. | 15. |
|     |     |     |     |     |

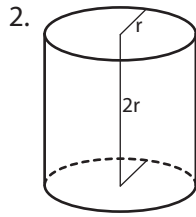
N I: Stelle je einen Term für das Volumen der Körper auf.

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



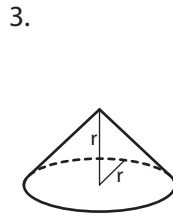
$$V = \pi \cdot r^3$$

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



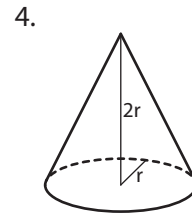
$$V = 2\pi \cdot r^3$$

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



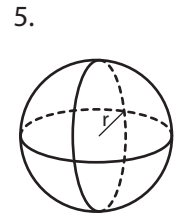
$$V = \frac{\pi \cdot r^3}{3}$$

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



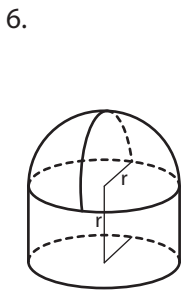
$$V = \frac{2\pi \cdot r^3}{3}$$

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



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

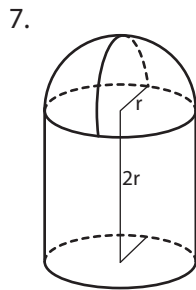
$$V \approx 4188.8 \text{ cm}^3$$



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

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

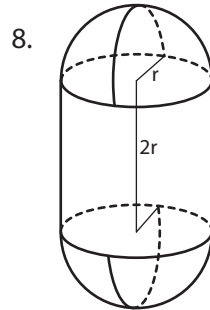
$$V \approx 5236.0 \text{ cm}^3$$



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

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

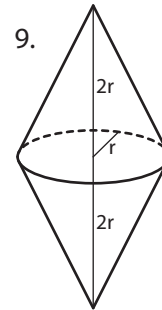
$$V \approx 8377.6 \text{ cm}^3$$



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

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

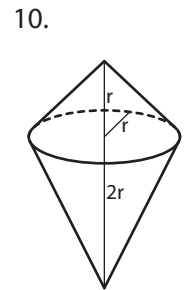
$$V \approx 10'472.0 \text{ cm}^3$$



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

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

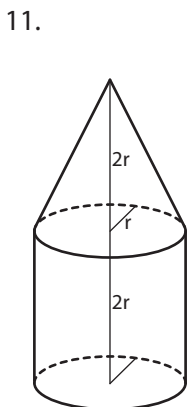
$$V \approx 4188.8 \text{ cm}^3$$



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

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

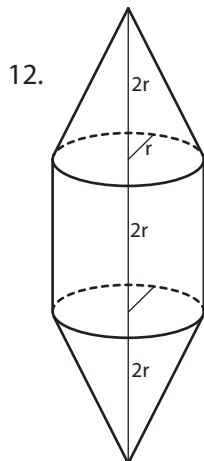
$$V \approx 3141.6 \text{ cm}^3$$



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

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

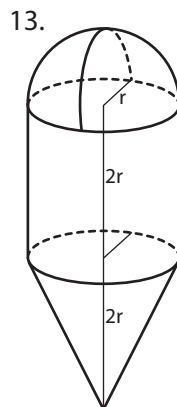
$$V \approx 8377.6 \text{ cm}^3$$



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

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

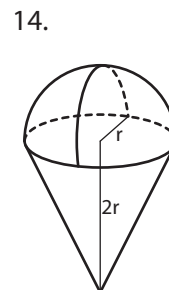
$$V \approx 10'472.0 \text{ cm}^3$$



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

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

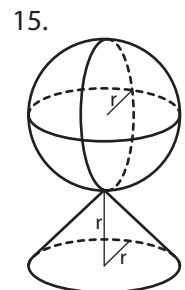
$$V \approx 10'472.0 \text{ cm}^3$$



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

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

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



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

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

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