

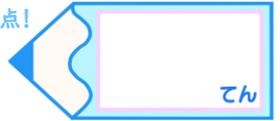


角柱・円柱の体積 7

● 底面が凸凹な角柱の体積

15

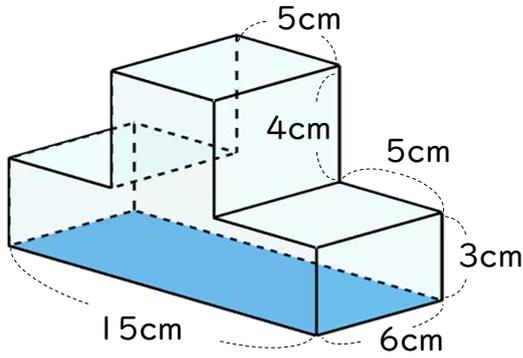
目指せ75点!



名まえ _____

・次の図のような立体の体積を求めましょう。(各25点)

①

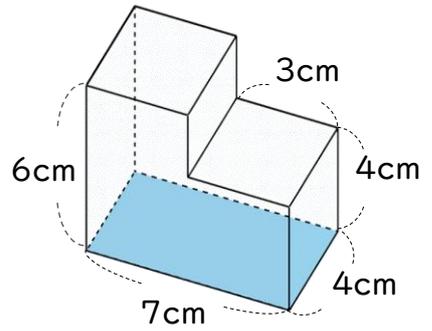


底面積：

体積：

答え： _____

③

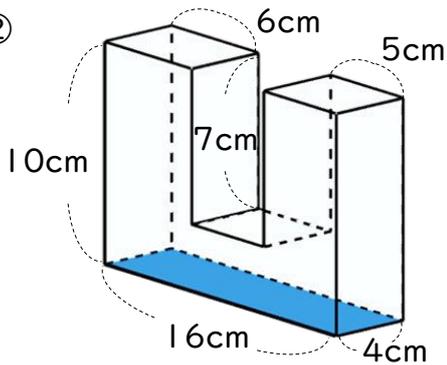


底面積：

体積：

答え： _____

②

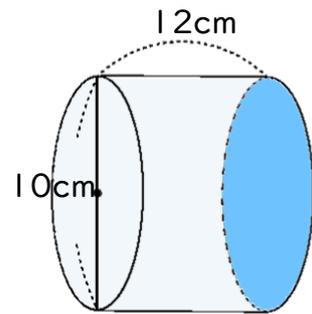


底面積：

体積：

答え： _____

④



円の半径は _____

cm

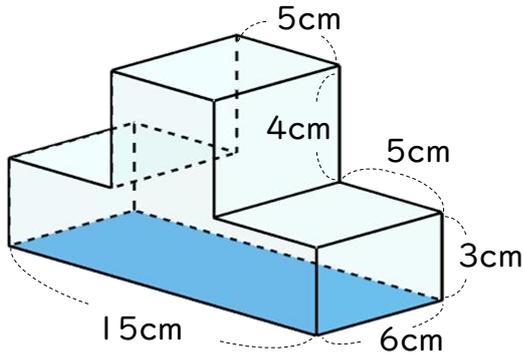
式：

答え： _____



・次の図のような立体の体積を求めましょう。(各25点)

①

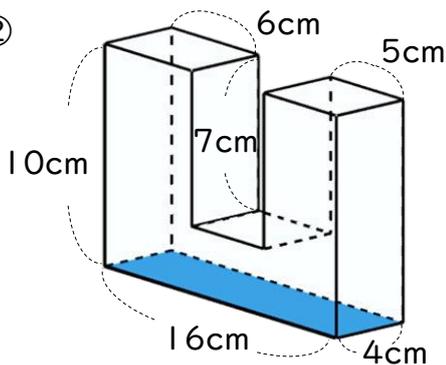


$$\begin{aligned} \text{底面積} &: 3 \times 5 + 7 \times 5 + 3 \times 5 \\ &= 15 + 35 + 15 \\ &= 65 \end{aligned}$$

$$\text{体積} : 65 \times 6 = 390$$

$$\text{答え} : \underline{390 \text{ cm}^3}$$

②

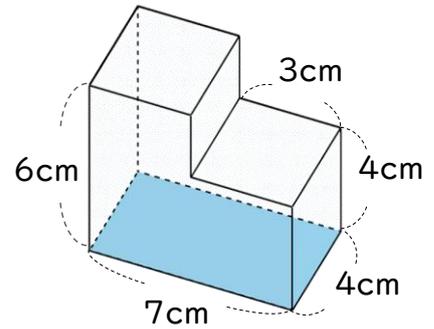


$$\begin{aligned} \text{底面積} &: 10 \times 6 + 3 \times 5 + 10 \times 5 \\ &= 60 + 15 + 50 \\ &= 125 \end{aligned}$$

$$\text{体積} : 125 \times 4 = 500$$

$$\text{答え} : \underline{500 \text{ cm}^3}$$

③

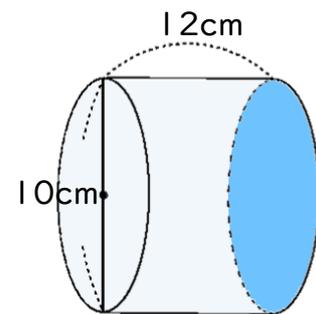


$$\begin{aligned} \text{底面積} &: 6 \times 4 + 4 \times 3 \\ &= 24 + 12 \\ &= 36 \end{aligned}$$

$$\text{体積} : 36 \times 4 = 144$$

$$\text{答え} : \underline{144 \text{ cm}^3}$$

④



$$\text{円の半径は } 10 \div 2 = 5 \text{ cm}$$

$$\begin{aligned} \text{式} &: 5 \times 5 \times 3.14 \times 12 \\ &= 5 \times 5 \times 12 \times 3.14 \\ &= 300 \times 3.14 \\ &= 942 \end{aligned}$$

$$\text{答え} : \underline{942 \text{ cm}^3}$$