

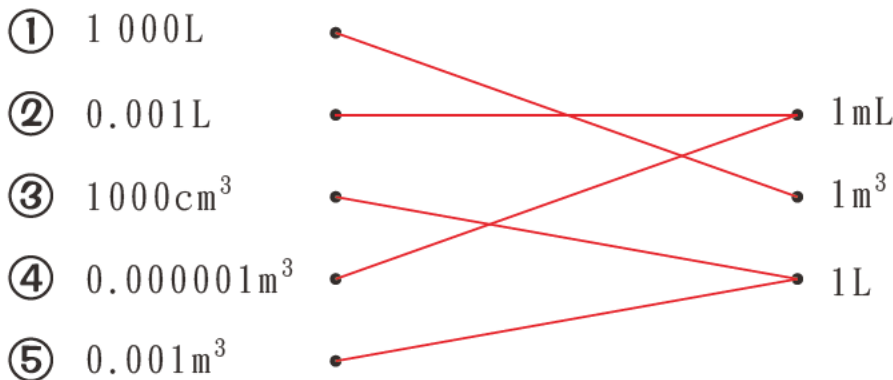


體積和容量 (三) Volume and Capacity (III)



連線：

Matching :



填表：

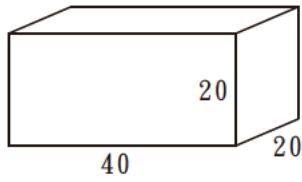
Complete the table :

	體積 Volume	容量 Capacity	
①	300 cm ³	300 mL	0.3 L
②	8400 cm ³	8400 mL	8.4 L
③	1200 cm ³	1200 mL	1.2 L
④	20 cm ³	20 mL	0.02 L
⑤	432 cm ³	432 mL	0.432 L
⑥	9120 cm ³	9120 mL	9.12 L
⑦	5 m ³	5000000 mL	5000 L
⑧	0.01 m ³	10000 mL	10 L
⑨	0.0073 m ³	7300 mL	7.3 L
⑩	0.18 m ³	180000 mL	180 L

列式計算：(單位：cm)

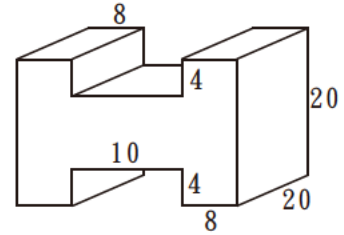
Calculate with solutions：(unit: cm)

①



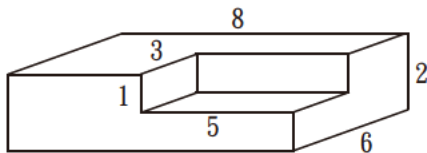
$$\begin{aligned} \text{體積} &= 40 \times 20 \times 20 \\ \text{Volume} &= 800 \times 20 \\ &= 16000 \text{ cm}^3 \end{aligned}$$

②



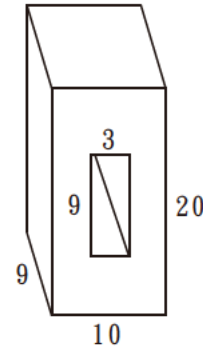
$$\begin{aligned} \text{體積} &= 8 \times 20 \times 20 + 10 \times 20 \times (20 - 4 - 4) + 8 \times 20 \times 20 / \\ \text{Volume} &= (10 + 8 + 8) \times 20 \times 20 - 10 \times 20 \times 4 - 10 \times 20 \times 4 \\ &= 3200 + 2400 + 3200 / \\ &= 10400 - 800 - 800 \\ &= 8800 \text{ cm}^3 \end{aligned}$$

③



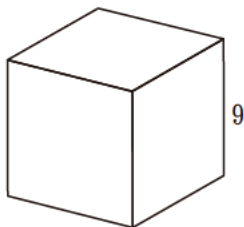
$$\begin{aligned} \text{體積} &= 8 \times 6 \times 2 - 5 \times 3 \times 1 \\ \text{Volume} &= 96 - 15 \\ &= 81 \text{ cm}^3 \end{aligned}$$

④



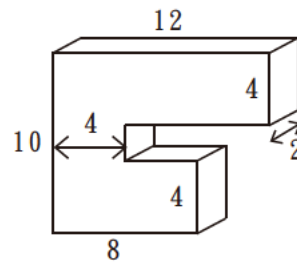
$$\begin{aligned} \text{體積} &= 10 \times 9 \times 20 - 3 \times 9 \times 9 \\ \text{Volume} &= 1800 - 243 \\ &= 1557 \text{ cm}^3 \end{aligned}$$

⑤



$$\begin{aligned} \text{體積} &= 9 \times 9 \times 9 \\ \text{Volume} &= 81 \times 9 \\ &= 729 \text{ cm}^3 \end{aligned}$$

⑥



$$\begin{aligned} \text{體積} &= 12 \times 2 \times 4 + 4 \times 2 \times (10 - 4 - 4) + 8 \times 2 \times 4 / \\ \text{Volume} &= 12 \times 2 \times 10 - (12 - 4) \times 2 \times (10 - 4 - 4) - (12 - 8) \times 2 \times 4 \\ &= 96 + 16 + 64 / 240 - 32 - 32 \\ &= 176 \text{ cm}^3 \end{aligned}$$