

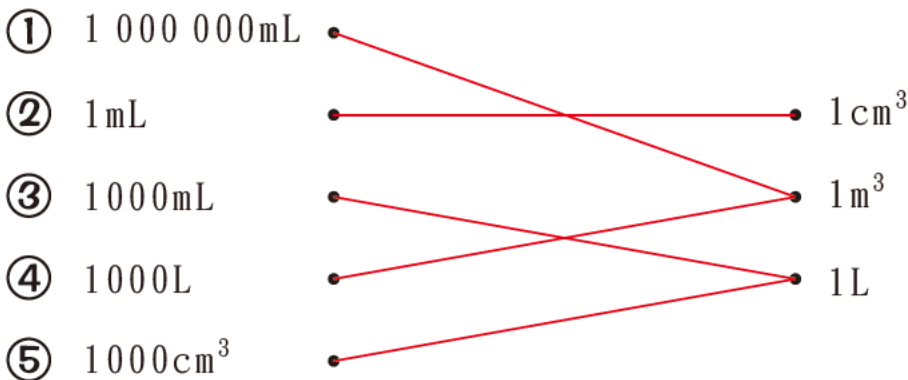


# 體積和容量(一)

## Volume and Capacity (I)

連線：

Matching :



填表：

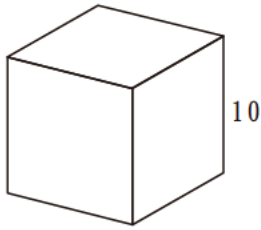
Complete the table :

	體積 Volume	容量 Capacity	
①	900 cm <sup>3</sup>	900 mL	0.9 L
②	4000 cm <sup>3</sup>	4000 mL	4 L
③	634 cm <sup>3</sup>	634 mL	0.634 L
④	7200 cm <sup>3</sup>	7200 mL	7.2 L
⑤	2500 cm <sup>3</sup>	2500 mL	2.5 L
⑥	5770 cm <sup>3</sup>	5770 mL	5.77 L
⑦	0.0081 m <sup>3</sup>	8100 mL	8.1 L
⑧	1 m <sup>3</sup>	1000000 mL	1000 L
⑨	3.2 m <sup>3</sup>	3200000 mL	3200 L
⑩	0.09 m <sup>3</sup>	90000 mL	90 L

列式計算：(單位：m)

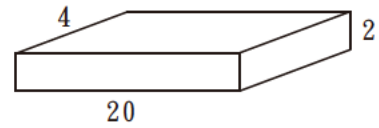
Calculate with solutions: (unit: m)

①



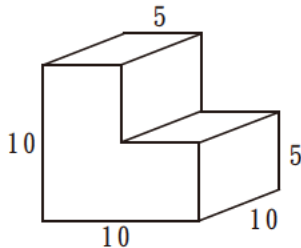
$$\begin{aligned} \text{體積} &= 10 \times 10 \times 10 \\ \text{Volume} &= 100 \times 10 \\ &= 1000 \text{ m}^3 \end{aligned}$$

②



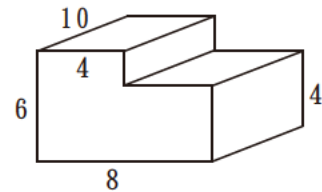
$$\begin{aligned} \text{體積} &= 20 \times 4 \times 2 \\ \text{Volume} &= 80 \times 2 \\ &= 160 \text{ m}^3 \end{aligned}$$

③



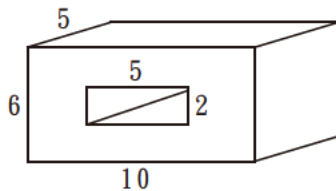
$$\begin{aligned} \text{體積} &= \frac{10 \times 10 \times 10 - 5 \times 10 \times 5}{5 \times 10 \times 10 + 5 \times 10 \times 5} \\ \text{Volume} &= 1000 - 250 / 500 + 250 \\ &= 750 \text{ m}^3 \end{aligned}$$

④



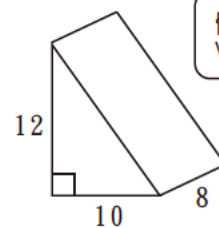
$$\begin{aligned} \text{體積} &= \frac{4 \times 10 \times 6 + (8 - 4) \times 10 \times 4}{4 \times 10 \times (6 - 4) + 8 \times 10 \times 4} \\ \text{Volume} &= \frac{8 \times 10 \times 6 - (8 - 4) \times 10 \times (6 - 4)}{240 + 160 / 80 + 320 / 480 - 80} \\ &= 400 \text{ m}^3 \end{aligned}$$

⑤



$$\begin{aligned} \text{體積} &= 10 \times 5 \times 6 - 5 \times 5 \times 2 \\ \text{Volume} &= 300 - 50 \\ &= 250 \text{ m}^3 \end{aligned}$$

⑥



體積=底面積×高  
Volume=Base Area×Height

$$\begin{aligned} \text{體積} &= \frac{12 \times 10}{2} \times 8 \\ \text{Volume} &= 60 \times 8 \\ &= 480 \text{ m}^3 \end{aligned}$$