

$$(1) 4\text{L} = \square\text{m}^3$$

$$(2) 7\text{cm}^3 = \square\text{mm}^3$$

$$(3) 1\text{m}^3 = \square\text{mL}$$

$$(4) 2\text{mm}^3 = \square\text{cm}^3$$

$$(5) 4\text{L} = \square\text{dL}$$

$$(1) 4\text{L} = 0.004 \text{ m}^3$$

<解説>

$$\begin{aligned} 1\text{m}^3 &= 1\text{m} \times 1\text{m} \times 1\text{m} \\ &= 100\text{cm} \times 100\text{cm} \times 100\text{cm} \\ &= 1000000\text{cm}^3 \end{aligned}$$

1L=1000cm<sup>3</sup>なので、1m<sup>3</sup>は1000000÷1000=1000L  
よって、4÷1000 = 0.004m<sup>3</sup>

$$(2) 7\text{cm}^3 = 7000 \text{ mm}^3$$

<解説>

$$\begin{aligned} 1\text{cm}^3 &= 1\text{cm} \times 1\text{cm} \times 1\text{cm} \\ &= 10\text{mm} \times 10\text{mm} \times 10\text{mm} \\ &= 1000\text{mm}^3 \end{aligned}$$

よって、7×1000 = 7000mm<sup>3</sup>

$$(3) 1\text{m}^3 = 1000000 \text{ mL}$$

<解説>

$$\begin{aligned} 1\text{m}^3 &= 1\text{m} \times 1\text{m} \times 1\text{m} \\ &= 100\text{cm} \times 100\text{cm} \times 100\text{cm} \\ &= 1000000\text{cm}^3 \end{aligned}$$

1mL=1cm<sup>3</sup>なので、1m<sup>3</sup>は1000000mL

$$(4) 2\text{mm}^3 = 0.002 \text{ cm}^3$$

<解説>

$$\begin{aligned} 1\text{cm}^3 &= 1\text{cm} \times 1\text{cm} \times 1\text{cm} \\ &= 10\text{mm} \times 10\text{mm} \times 10\text{mm} \\ &= 1000\text{mm}^3 \end{aligned}$$

よって、2÷1000 = 0.002cm<sup>3</sup>

$$(5) 4\text{L} = 40 \text{ dL}$$

<解説>

1L=10dL  
よって、4×10 = 40dL