

$$(1) 5\text{mm}^3 = \square\text{mL}$$

$$(2) 4\text{m}^3 = \square\text{mL}$$

$$(3) 9\text{m}^3 = \square\text{dL}$$

$$(4) 5\text{mm}^3 = \square\text{mL}$$

$$(5) 7\text{m}^3 = \square\text{cm}^3$$

$$(1) 5\text{mm}^3 = 0.005 \text{ mL}$$

<解説>

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

$$\text{よって、} 5 \div 1000 = 0.005\text{mL}$$

$$(2) 4\text{m}^3 = 4000000 \text{ mL}$$

<解説>

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

$$1\text{mL} = 1\text{cm}^3 \text{なので、} 1\text{m}^3 \text{は} 1000000\text{mL}$$

$$\text{よって、} 4 \times 1000000 = 4000000\text{mL}$$

$$(3) 9\text{m}^3 = 90000 \text{ dL}$$

<解説>

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

$$1\text{L} = 1000\text{cm}^3 \text{なので、} 1\text{m}^3 \text{は} 1000000 \div 1000 = 1000\text{L}$$

$$1\text{L} = 10\text{dL} \text{なので、} 1\text{m}^3 \text{は} 1000 \times 10 = 10000\text{dL}$$

$$\text{よって、} 9 \times 10000 = 90000\text{dL}$$

$$(4) 5\text{mm}^3 = 0.005 \text{ mL}$$

<解説>

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

$$\text{よって、} 5 \div 1000 = 0.005\text{mL}$$

$$(5) 7\text{m}^3 = 7000000 \text{ cm}^3$$

<解説>

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

$$\text{よって、} 7 \times 1000000 = 7000000\text{cm}^3$$