

$$(1) 7\text{mL} = \square\text{cm}^3$$

$$(2) 1\text{L} = \square\text{m}^3$$

$$(3) 6\text{cm}^3 = \square\text{mm}^3$$

$$(4) 5\text{dL} = \square\text{cm}^3$$

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

$$(1) 7\text{mL} = 7 \text{ cm}^3$$

<解説>

$$1\text{mL} = 1\text{cm}^3$$

$$(2) 1\text{L} = 0.001 \text{ m}^3$$

<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=1000cm³なので、1m³は1000000÷1000=1000L
よって、1÷1000 = 0.001m³

$$(3) 6\text{cm}^3 = 6000 \text{ mm}^3$$

<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、6×1000 = 6000mm³

$$(4) 5\text{dL} = 500 \text{ cm}^3$$

<解説>

1L=10dL、1L=1000cm³なので10dL=1000cm³

1dLは1000÷10=100cm³

よって、5×100 = 500cm³

$$(5) 5\text{cm}^3 = 0.005 \text{ L}$$

<解説>

1L=1000cm³

よって、5÷1000 = 0.005L