

$$(1) 8\text{mL} = \square\text{cm}^3$$

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

$$(3) 8\text{L} = \square\text{mL}$$

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

$$(5) 2\text{L} = \square\text{m}^3$$

$$(1) 8\text{mL} = 8\text{ cm}^3$$

<解説>

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

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

<解説>

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

$$1\text{mL} = 1\text{cm} \times 1\text{cm} \times 1\text{cm}$$

$$= 10\text{mm} \times 10\text{mm} \times 10\text{mm}$$

$$= 1000\text{mm}^3$$

よって、 $2 \div 1000 = 0.002\text{mL}$

$$(3) 8\text{L} = 8000\text{ mL}$$

<解説>

$$1\text{L} = 1000\text{mL}$$

よって、 $8 \times 1000 = 8000\text{mL}$

$$(4) 3\text{mL} = 3\text{ cm}^3$$

<解説>

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

$$(5) 2\text{L} = 0.002\text{ m}^3$$

<解説>

$$1\text{m}^3 = 1\text{m} \times 1\text{m} \times 1\text{m}$$

$$= 100\text{cm} \times 100\text{cm} \times 100\text{cm}$$

$$= 1000000\text{cm}^3$$

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

よって、 $2 \div 1000 = 0.002\text{m}^3$