

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

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

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

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

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

$$(1) 3\text{L} = 0.003 \text{ m}^3$$

<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、3÷1000 = 0.003m³

$$(2) 5\text{m}^3 = 5000 \text{ L}$$

<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、5×1000 = 5000L

$$(3) 8\text{cm}^3 = 0.008 \text{ L}$$

<解説>

1L=1000cm³
よって、8÷1000 = 0.008L

$$(4) 1\text{m}^3 = 1000 \text{ L}$$

<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

$$(5) 4\text{L} = 4000 \text{ cm}^3$$

<解説>

1L=1000cm³
よって、4×1000 = 4000cm³