



Capacity - Metric Units

Name _____

Score _____

CU:10

Example 1: Convert 0.8 L to mL.

1 liter = 1,000 milliliters

$$\begin{aligned} 0.8 \text{ L} &= 0.8 \times 1,000 \\ &= \mathbf{800 \text{ mL}} \end{aligned}$$

Example 2: Convert 5,133 mL to L.

1 milliliter = 1/1,000 liter

$$\begin{aligned} 5,133 \text{ mL} &= 5,133 / 1,000 \\ &= \mathbf{5.133 \text{ L}} \end{aligned}$$

1) Convert the following.

a) 3.121 L = mL

d) 16 L = mL

b) 1,000 mL = L

e) 77,000 mL = L

c) 6.08 L = mL

f) 8,210 mL = L

2) Complete the table.

Liters (L)	1.002		7		8.6
Milliliters (mL)		56,000		7,340	

3) Compare using <, > or = symbol.

a) 8.8 L 8,700 mL

d) 1,000 mL 1 L

b) 12,408 mL 12.804 L

e) 6.34 L 6,304 mL

c) 3,005 mL 3.005 L

f) 11 L 11,700 mL



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Answer key

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Example 1: Convert 0.8 L to mL.

$$1 \text{ liter} = 1,000 \text{ milliliters}$$

$$\begin{aligned} 0.8 \text{ L} &= 0.8 \times 1,000 \\ &= \mathbf{800 \text{ mL}} \end{aligned}$$

Example 2: Convert 5,133 mL to L.

$$1 \text{ milliliter} = 1/1,000 \text{ liter}$$

$$\begin{aligned} 5,133 \text{ mL} &= 5,133 / 1,000 \\ &= \mathbf{5.133 \text{ L}} \end{aligned}$$

1) Convert the following.

a) 3.121 L = **3,121** mL

d) 16 L = **16,000** mL

b) 1,000 mL = **1** L

e) 77,000 mL = **77** L

c) 6.08 L = **6,080** mL

f) 8,210 mL = **8.21** L

2) Complete the table.

Liters (L)	1.002	56	7	7.34	8.6
Milliliters (mL)	1,002	56,000	7,000	7,340	8,600

3) Compare using <, > or = symbol.

a) 8.8 L **>** 8,700 mL

d) 1,000 mL **=** 1 L

b) 12,408 mL **<** 12.804 L

e) 6.34 L **>** 6,304 mL

c) 3,005 mL **=** 3.005 L

f) 11 L **<** 11,700 mL