



Capacity - Metric Units

Name _____

Score _____

CU:12

Example : Convert 3.52 L to cL.

$$\begin{aligned} 3.52 \text{ L} &= 3.52 \times 10 \\ &= 35.2 \text{ dL} \\ &= 35.2 \times 10 \\ &= \mathbf{352 \text{ cL}} \end{aligned}$$

1 centiliter (cL) = 10 milliliters (mL)
1 liter (L) = 10 deciliters (dL)
1 hectaliter (hL) = 10 dekaliters (daL)
1 deciliter (dL) = 10 centiliters (cL)
1 dekaliter (daL) = 10 liters (L)
1 kiloliter (kL) = 10 hectaliters (hL)

1) Convert the following.

a) 250 mL = cL

e) 8,903 L = hL

b) 14 daL = L

f) 5.6 dL = cL

c) 900 kL = hL

g) 6 cL = mL

d) 50 cL = dL

h) 4,400 L = kL

2) Compare using <, > or = symbol.

a) 31 hL 3,100 L

d) 300 mL 4 dL

b) 2.8 cL 27 mL

e) 4,055 kL 40,550 hL

c) 46 hL 560 daL

f) 9 L 890 cL

3) How many liters make 2.9 kiloliters?



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Answer key

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1) Convert the following.

a) 250 mL = **25** cL

e) 8,903 L = **89.03** hL

b) 14 daL = **140** L

f) 5.6 dL = **56** cL

c) 900 kL = **9,000** hL

g) 6 cL = **60** mL

d) 50 cL = **5** dL

h) 4,400 L = **4.4** kL

2) Compare using <, > or = symbol.

a) 31 hL **=** 3,100 L

d) 300 mL **<** 4 dL

b) 2.8 cL **>** 27 mL

e) 4,055 kL **=** 40,550 hL

c) 46 hL **<** 560 daL

f) 9 L **>** 890 cL

3) How many liters make 2.9 kiloliters?

2,900 L