

Converting Metric Units

The basic unit of volume in the metric system is the liter (L).
The volume of soda pop in a large soft drink bottle is 2 L.



To convert units, use the chart to determine how many places to move the decimal point. Each “hop” represents moving the decimal point one place. Also, determine the direction to move the decimal point. If you “hop” to the right, move the decimal point to the right, but if you “hop” to the left, move the decimal point to the left.

kL	hL	daL	L	dL	cL	mL
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L to cL
 $1 \text{ L} = 100 \text{ cL}$

kL	hL	daL	L	dL	cL	mL
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L to daL
 $10 \text{ L} = 1.0 \text{ daL}$

kL	hL	daL	L	dL	cL	mL
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L to mL
 $0.5 \text{ L} = 500 \text{ mL}$

kL	hL	daL	L	dL	cL	mL
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mL to L
 $700 \text{ mL} = 0.7 \text{ L}$

Complete:

1. $100 \text{ L} = \underline{\hspace{2cm}} \text{ daL}$
2. $5 \text{ L} = \underline{\hspace{2cm}} \text{ cL}$
3. $20 \text{ kL} = \underline{\hspace{2cm}} \text{ L}$
4. $6 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$
5. $26 \text{ hL} = \underline{\hspace{2cm}} \text{ daL}$
6. $3 \text{ hL} = \underline{\hspace{2cm}} \text{ dL}$
7. $3 \text{ kL} = \underline{\hspace{2cm}} \text{ L}$
8. $57 \text{ kL} = \underline{\hspace{2cm}} \text{ L}$
9. $100 \text{ L} = \underline{\hspace{2cm}} \text{ kL}$
10. $8 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$
11. $2 \text{ L} = \underline{\hspace{2cm}} \text{ dL}$
12. $15 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$
13. $10 \text{ hL} = 1 \underline{\hspace{2cm}}$
14. $10 \text{ L} = 0.1 \underline{\hspace{2cm}}$
15. $1000 \text{ L} = 1 \underline{\hspace{2cm}}$
16. $100 \text{ mL} = 1 \underline{\hspace{2cm}}$
17. $10 \text{ cL} = 0.1 \underline{\hspace{2cm}}$
18. $10,000 \text{ mL} = 1 \underline{\hspace{2cm}}$