

Name _____

Converting Metric Units - Triple Conversions

Directions - Convert each starting measurement into **three different units** as shown. Use the conversion key to help you.

Conversion Key

$$1 \text{ km} = 1000 \text{ m}$$

$$1 \text{ m} = 100 \text{ cm} = 1000 \text{ mm}$$

$$1 \text{ cm} = 10 \text{ mm}$$

$$1 \text{ kg} = 1000 \text{ g} = 1,000,000 \text{ mg}$$

$$1 \text{ g} = 1000 \text{ mg}$$

$$1 \text{ L} = 1000 \text{ mL} = 0.001 \text{ kL}$$

1. $2 \text{ km} = \underline{\hspace{1cm}} \text{ m} = \underline{\hspace{1cm}} \text{ cm} = \underline{\hspace{1cm}} \text{ mm}$

2. $350 \text{ cm} = \underline{\hspace{1cm}} \text{ m} = \underline{\hspace{1cm}} \text{ mm} = \underline{\hspace{1cm}} \text{ km}$

3. $4.5 \text{ L} = \underline{\hspace{1cm}} \text{ mL} = \underline{\hspace{1cm}} \text{ kL} = \underline{\hspace{1cm}} \text{ cL}$

4. $0.75 \text{ m} = \underline{\hspace{1cm}} \text{ cm} = \underline{\hspace{1cm}} \text{ mm} = \underline{\hspace{1cm}} \text{ km}$

5. $6800 \text{ g} = \underline{\hspace{1cm}} \text{ kg} = \underline{\hspace{1cm}} \text{ mg} = \underline{\hspace{1cm}} \text{ cg}$

6. $120 \text{ mm} = \underline{\hspace{1cm}} \text{ cm} = \underline{\hspace{1cm}} \text{ m} = \underline{\hspace{1cm}} \text{ km}$

7. $0.005 \text{ kg} = \underline{\hspace{1cm}} \text{ g} = \underline{\hspace{1cm}} \text{ mg} = \underline{\hspace{1cm}} \text{ cg}$

8. $8.2 \text{ km} = \underline{\hspace{1cm}} \text{ m} = \underline{\hspace{1cm}} \text{ cm} = \underline{\hspace{1cm}} \text{ mm}$

9. $2400 \text{ mL} = \underline{\hspace{1cm}} \text{ L} = \underline{\hspace{1cm}} \text{ kL} = \underline{\hspace{1cm}} \text{ cL}$

10. $15 \text{ m} = \underline{\hspace{1cm}} \text{ cm} = \underline{\hspace{1cm}} \text{ mm} = \underline{\hspace{1cm}} \text{ km}$

