

Metrics & Measurements

Note: The answers are below, however, be sure you can **SHOW WORK!**

1. Convert 35mL to dL
2. Convert 950g to kg
3. Convert 275 mm to cm
4. Convert 1000L to kL
5. Convert 1000mL to L
6. Convert 4500mg to g
7. Convert 25cm to mm
8. Convert 0.005kg to dag
9. Convert 0.075m to cm
10. Convert 15g to mg

$$1. \frac{35 \cancel{\text{mL}}}{1} \times \frac{1 \cancel{\text{L}}}{1000 \cancel{\text{mL}}} \times \frac{10 \text{ dL}}{1 \cancel{\text{L}}} = \boxed{0.35 \text{ dL}}$$

$$2. \frac{950 \cancel{\text{g}}}{1} \times \frac{1 \text{ kg}}{1000 \cancel{\text{g}}} = \boxed{0.950 \text{ kg}}$$

$$3. \frac{275 \cancel{\text{mm}}}{1} \times \frac{1 \text{ cm}}{10 \cancel{\text{mm}}} = \boxed{27.5 \text{ cm}}$$

$$4. \frac{1000 \cancel{\text{L}}}{1} \times \frac{1 \text{ kL}}{1000 \cancel{\text{L}}} = \boxed{1.0 \text{ kL}}$$

$$5. \frac{1000 \text{ mL}}{1} \times \frac{1 \text{ L}}{1000 \text{ mL}} = \boxed{1.0 \text{ L}}$$

$$6. \frac{4500 \text{ mg}}{1} \times \frac{1 \text{ L}}{1000 \text{ mg}} = \boxed{4.5 \text{ g}}$$

$$7. \frac{25 \text{ cm}}{1} \times \frac{10 \text{ mm}}{1 \text{ cm}} = \boxed{250 \text{ mm}}$$

$$8. \frac{0.005 \text{ kg}}{1} \times \frac{1000 \text{ g}}{1 \text{ kg}} \times \frac{1 \text{ dag}}{10 \text{ g}} = \boxed{0.5 \text{ dag}}$$

$$9. \frac{0.075 \text{ m}}{1} \times \frac{100 \text{ cm}}{1 \text{ m}} = \boxed{7.5 \text{ cm}}$$

$$10. \frac{15 \text{ g}}{1} \times \frac{1000 \text{ mg}}{1 \text{ g}} = \boxed{15,000 \text{ mg}}$$