



Convert metric units of volume and mass

Grade 6 Measurements Worksheet

Convert the given measures to new units.

1. $0.82 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$ 2. $99 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

3. $0.24 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$ 4. $9.0 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

5. $5.2 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$ 6. $1.4 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

7. $55 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$ 8. $13 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

9. $39 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$ 10. $6.6 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

11. $6.8 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$ 12. $0.30 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

13. $30 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$ 14. $0.86 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$

15. $0.79 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$ 16. $3.3 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

17. $8.4 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$ 18. $94 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

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Convert the given measures to new units.

1. $0.82 \text{ L} = \underline{820} \text{ mL}$ 2. $99 \text{ g} = \underline{0.099} \text{ kg}$

3. $0.24 \text{ kg} = \underline{240} \text{ g}$ 4. $9.0 \text{ mL} = \underline{0.009} \text{ L}$

5. $5.2 \text{ g} = \underline{0.0052} \text{ kg}$ 6. $1.4 \text{ g} = \underline{0.0014} \text{ kg}$

7. $55 \text{ L} = \underline{55,000} \text{ mL}$ 8. $13 \text{ kg} = \underline{13,000} \text{ g}$

9. $39 \text{ g} = \underline{0.039} \text{ kg}$ 10. $6.6 \text{ mL} = \underline{0.0066} \text{ L}$

11. $6.8 \text{ mL} = \underline{0.0068} \text{ L}$ 12. $0.30 \text{ L} = \underline{300} \text{ mL}$

13. $30 \text{ kg} = \underline{30,000} \text{ g}$ 14. $0.86 \text{ mL} = \underline{0.00086} \text{ L}$

15. $0.79 \text{ L} = \underline{790} \text{ mL}$ 16. $3.3 \text{ g} = \underline{0.0033} \text{ kg}$

17. $8.4 \text{ g} = \underline{0.0084} \text{ kg}$ 18. $94 \text{ kg} = \underline{94,000} \text{ g}$