



Convert metric units of volume and mass

Grade 6 Measurements Worksheet

Convert the given measures to new units.

1. $79 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$ 2. $7.9 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

3. $78 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$ 4. $0.18 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

5. $69 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$ 6. $0.31 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

7. $0.56 \text{ mL} = \underline{\hspace{2cm}} \text{ L}$ 8. $24 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

9. $0.12 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$ 10. $7.8 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

11. $8.3 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$ 12. $7.3 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

13. $5.8 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$ 14. $0.12 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

15. $6.3 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$ 16. $0.53 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

17. $8.6 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$ 18. $1.7 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

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Convert the given measures to new units.

1. $79 \text{ g} = \underline{0.079} \text{ kg}$ 2. $7.9 \text{ g} = \underline{0.0079} \text{ kg}$

3. $78 \text{ kg} = \underline{78,000} \text{ g}$ 4. $0.18 \text{ g} = \underline{0.00018} \text{ kg}$

5. $69 \text{ g} = \underline{0.069} \text{ kg}$ 6. $0.31 \text{ kg} = \underline{310} \text{ g}$

7. $0.56 \text{ mL} = \underline{0.00056} \text{ L}$ 8. $24 \text{ g} = \underline{0.024} \text{ kg}$

9. $0.12 \text{ kg} = \underline{120} \text{ g}$ 10. $7.8 \text{ L} = \underline{7,800} \text{ mL}$

11. $8.3 \text{ g} = \underline{0.0083} \text{ kg}$ 12. $7.3 \text{ L} = \underline{7,300} \text{ mL}$

13. $5.8 \text{ L} = \underline{5,800} \text{ mL}$ 14. $0.12 \text{ L} = \underline{120} \text{ mL}$

15. $6.3 \text{ g} = \underline{0.0063} \text{ kg}$ 16. $0.53 \text{ g} = \underline{0.00053} \text{ kg}$

17. $8.6 \text{ g} = \underline{0.0086} \text{ kg}$ 18. $1.7 \text{ L} = \underline{1,700} \text{ mL}$