

Converting Between kg, g and mg (H)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.



1. Convert 0.059 g to mg
2. Convert 0.05443 kg to mg
3. Convert 0.0035 kg to mg
4. Convert 78 000 g to kg
5. Convert 56.62 g to mg
6. Convert 46 780 000 mg to kg
7. Convert 0.1245 kg to g
8. Convert 151 400 mg to g
9. Convert 3 212 000 mg to g
10. Convert 96 420 g to kg

Converting Between kg, g and mg (H) Answers

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Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 0.059 g to mg

$$0.059 \text{ g} \times 10 \times 10 \times 10 = 59 \text{ mg}$$

2. Convert 0.05443 kg to mg

$$0.05443 \text{ kg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 54\,430 \text{ mg}$$

3. Convert 0.0035 kg to mg

$$0.0035 \text{ kg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 3500 \text{ mg}$$

4. Convert 78 000 g to kg

$$78\,000 \text{ g} \div 10 \div 10 \div 10 = 78 \text{ kg}$$

5. Convert 56.62 g to mg

$$56.62 \text{ g} \times 10 \times 10 \times 10 = 56\,620 \text{ mg}$$

6. Convert 46 780 000 mg to kg

$$46\,780\,000 \text{ mg} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 46.78 \text{ kg}$$

7. Convert 0.1245 kg to g

$$0.1245 \text{ kg} \times 10 \times 10 \times 10 = 124.5 \text{ g}$$

8. Convert 151 400 mg to g

$$151\,400 \text{ mg} \div 10 \div 10 \div 10 = 151.4 \text{ g}$$

9. Convert 3 212 000 mg to g

$$3\,212\,000 \text{ mg} \div 10 \div 10 \div 10 = 3212 \text{ g}$$

10. Convert 96 420 g to kg

$$96\,420 \text{ g} \div 10 \div 10 \div 10 = 96.42 \text{ kg}$$