

Converting Between ng, μg , mg and g (C)

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 24 780 000 μg to g
2. Convert 5 310 000 ng to μg
3. Convert 0.00076 mg to ng
4. Convert 0.0000005187 g to ng
5. Convert 0.099 g to mg
6. Convert 5120 μg to mg
7. Convert 0.00976 mg to ng
8. Convert 7 304 000 ng to μg
9. Convert 8.2 mg to μg
10. Convert 48 900 000 000 ng to g

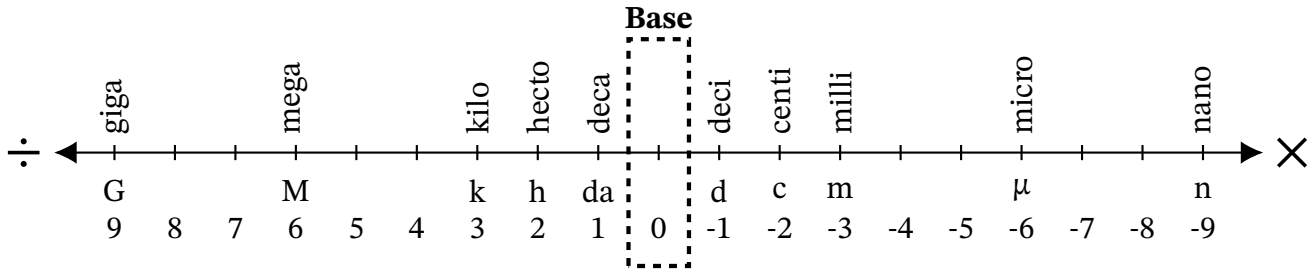
Converting Between ng, μg , mg and g (C) Answers

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1. Convert 24 780 000 μg to g
 $24\,780\,000\ \mu\text{g} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 24.78\ \text{g}$
2. Convert 5 310 000 ng to μg
 $5\,310\,000\ \text{ng} \div 10 \div 10 \div 10 = 5310\ \mu\text{g}$
3. Convert 0.00076 mg to ng
 $0.00076\ \text{mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 760\ \text{ng}$
4. Convert 0.0000005187 g to ng
 $0.0000005187\ \text{g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 518.7\ \text{ng}$
5. Convert 0.099 g to mg
 $0.099\ \text{g} \times 10 \times 10 \times 10 = 99\ \text{mg}$
6. Convert 5120 μg to mg
 $5120\ \mu\text{g} \div 10 \div 10 \div 10 = 5.12\ \text{mg}$
7. Convert 0.00976 mg to ng
 $0.00976\ \text{mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 9760\ \text{ng}$
8. Convert 7 304 000 ng to μg
 $7\,304\,000\ \text{ng} \div 10 \div 10 \div 10 = 7304\ \mu\text{g}$
9. Convert 8.2 mg to μg
 $8.2\ \text{mg} \times 10 \times 10 \times 10 = 8200\ \mu\text{g}$
10. Convert 48 900 000 000 ng to g
 $48\,900\,000\,000\ \text{ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 48.9\ \text{g}$