

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

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 610 000 ng to mg
2. Convert 0.00000814 g to μg
3. Convert 0.07081 mg to μg
4. Convert 0.5418 μg to ng
5. Convert 0.7671 mg to ng
6. Convert 0.000000636 g to ng
7. Convert 8140 mg to g
8. Convert 89 810 ng to μg
9. Convert 11 580 000 μg to mg
10. Convert 38 800 000 000 ng to g

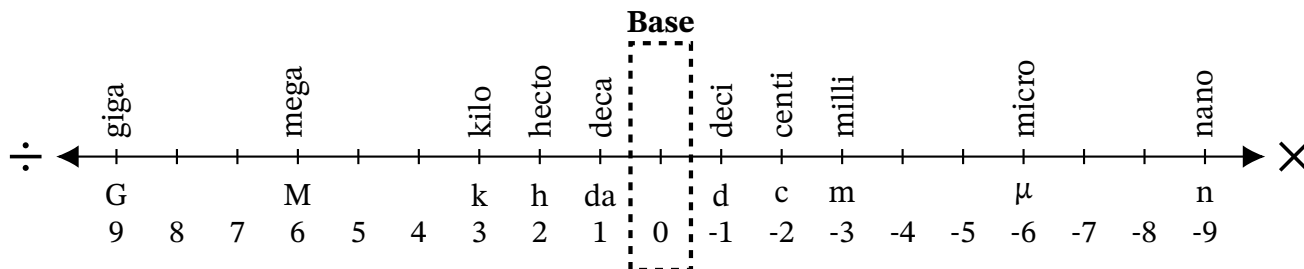
Converting Between ng, μg , mg and g (A) Answers

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 610 000 ng to mg

$$610\,000\text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0.61\text{ mg}$$

2. Convert 0.00000814 g to μg

$$0.00000814\text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 8.14\ \mu\text{g}$$

3. Convert 0.07081 mg to μg

$$0.07081\text{ mg} \times 10 \times 10 \times 10 = 70.81\ \mu\text{g}$$

4. Convert 0.5418 μg to ng

$$0.5418\ \mu\text{g} \times 10 \times 10 \times 10 = 541.8\text{ ng}$$

5. Convert 0.7671 mg to ng

$$0.7671\text{ mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 767\,100\text{ ng}$$

6. Convert 0.000000636 g to ng

$$0.000000636\text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 636\text{ ng}$$

7. Convert 8140 mg to g

$$8140\text{ mg} \div 10 \div 10 \div 10 = 8.14\text{ g}$$

8. Convert 89 810 ng to μg

$$89\,810\text{ ng} \div 10 \div 10 \div 10 = 89.81\ \mu\text{g}$$

9. Convert 11 580 000 μg to mg

$$11\,580\,000\ \mu\text{g} \div 10 \div 10 \div 10 = 11\,580\text{ mg}$$

10. Convert 38 800 000 000 ng to g

$$38\,800\,000\,000\text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 38.8\text{ g}$$