

Converting Between ng, μ g, mg and g (B)

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 990 000 μ g to mg
2. Convert 0.00981 mg to ng
3. Convert 0.00081 mg to ng
4. Convert 18 600 ng to μ g
5. Convert 0.7654 μ g to ng
6. Convert 0.07254 g to mg
7. Convert 0.0000006512 g to ng
8. Convert 55 600 000 μ g to mg
9. Convert 5 710 000 μ g to g
10. Convert 1 828 000 000 000 ng to g

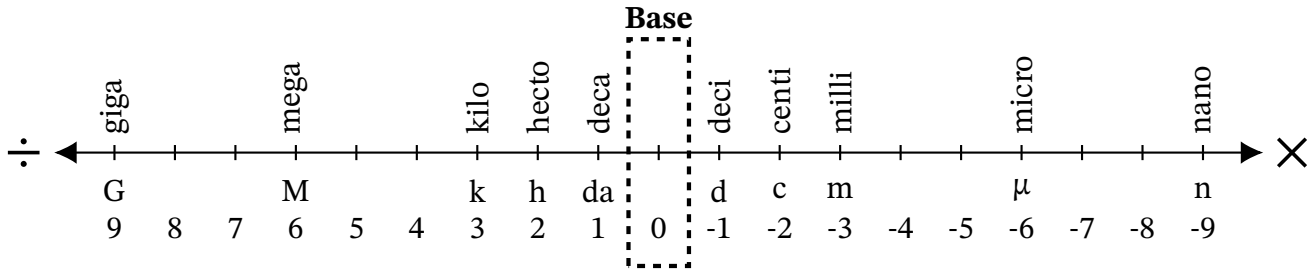
Converting Between ng, μg , mg and g (B) Answers

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



1. Convert 990 000 μg to mg

$$990\,000\ \mu\text{g} \div 10 \div 10 \div 10 = 990\ \text{mg}$$

2. Convert 0.00981 mg to ng

$$0.00981\ \text{mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 9810\ \text{ng}$$

3. Convert 0.00081 mg to ng

$$0.00081\ \text{mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 810\ \text{ng}$$

4. Convert 18 600 ng to μg

$$18\,600\ \text{ng} \div 10 \div 10 \div 10 = 18.6\ \mu\text{g}$$

5. Convert 0.7654 μg to ng

$$0.7654\ \mu\text{g} \times 10 \times 10 \times 10 = 765.4\ \text{ng}$$

6. Convert 0.07254 g to mg

$$0.07254\ \text{g} \times 10 \times 10 \times 10 = 72.54\ \text{mg}$$

7. Convert 0.0000006512 g to ng

$$0.0000006512\ \text{g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 651.2\ \text{ng}$$

8. Convert 55 600 000 μg to mg

$$55\,600\,000\ \mu\text{g} \div 10 \div 10 \div 10 = 55\,600\ \text{mg}$$

9. Convert 5 710 000 μg to g

$$5\,710\,000\ \mu\text{g} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 5.71\ \text{g}$$

10. Convert 1 828 000 000 000 ng to g

$$1\,828\,000\,000\,000\ \text{ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 1828\ \text{g}$$