

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 0.003904 mg to ng
2. Convert 0.000984 mg to ng
3. Convert 311,200 μg to mg
4. Convert 622.2 μg to ng
5. Convert 3.061 μg to ng
6. Convert 43,230,000 mg to g
7. Convert 68,100,000,000 ng to g
8. Convert 9,750,000,000 ng to g
9. Convert 2.85 mg to μg
10. Convert 6,463,000,000 μg to g

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

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 0.003904 mg to ng

$$0.003904 \text{ mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 3904 \text{ ng}$$

2. Convert 0.000984 mg to ng

$$0.000984 \text{ mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 984 \text{ ng}$$

3. Convert 311,200 μg to mg

$$311,200 \mu\text{g} \div 10 \div 10 \div 10 = 311.2 \text{ mg}$$

4. Convert 622.2 μg to ng

$$622.2 \mu\text{g} \times 10 \times 10 \times 10 = 622,200 \text{ ng}$$

5. Convert 3.061 μg to ng

$$3.061 \mu\text{g} \times 10 \times 10 \times 10 = 3061 \text{ ng}$$

6. Convert 43,230,000 mg to g

$$43,230,000 \text{ mg} \div 10 \div 10 \div 10 = 43,230 \text{ g}$$

7. Convert 68,100,000,000 ng to g

$$68,100,000,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 68.1 \text{ g}$$

8. Convert 9,750,000,000 ng to g

$$9,750,000,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 9.75 \text{ g}$$

9. Convert 2.85 mg to μg

$$2.85 \text{ mg} \times 10 \times 10 \times 10 = 2850 \mu\text{g}$$

10. Convert 6,463,000,000 μg to g

$$6,463,000,000 \mu\text{g} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 6463 \text{ g}$$