

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

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 0.00000063 g to μg
2. Convert 87 200 μg to mg
3. Convert 0.041 g to mg
4. Convert 6 170 000 ng to μg
5. Convert 0.00000051 g to ng
6. Convert 1 810 000 ng to μg
7. Convert 0.00009596 mg to ng
8. Convert 0.0009756 mg to ng
9. Convert 595 900 000 000 ng to g
10. Convert 340 000 μg to mg

Converting Between ng, μ g, mg and g (D) Answers

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



1. Convert 0.00000063 g to μ g

$$0.00000063 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 0.63 \mu\text{g}$$

2. Convert 87 200 μ g to mg

$$87\,200 \mu\text{g} \div 10 \div 10 \div 10 = 87.2 \text{ mg}$$

3. Convert 0.041 g to mg

$$0.041 \text{ g} \times 10 \times 10 \times 10 = 41 \text{ mg}$$

4. Convert 6 170 000 ng to μ g

$$6\,170\,000 \text{ ng} \div 10 \div 10 \div 10 = 6170 \mu\text{g}$$

5. Convert 0.00000051 g to ng

$$0.00000051 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 510 \text{ ng}$$

6. Convert 1 810 000 ng to μ g

$$1\,810\,000 \text{ ng} \div 10 \div 10 \div 10 = 1810 \mu\text{g}$$

7. Convert 0.00009596 mg to ng

$$0.00009596 \text{ mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 95.96 \text{ ng}$$

8. Convert 0.0009756 mg to ng

$$0.0009756 \text{ mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 975.6 \text{ ng}$$

9. Convert 595 900 000 000 ng to g

$$595\,900\,000\,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 595.9 \text{ g}$$

10. Convert 340 000 μ g to mg

$$340\,000 \mu\text{g} \div 10 \div 10 \div 10 = 340 \text{ mg}$$