

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

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 0.00000293 mg to ng
2. Convert 0.0000000303 g to ng
3. Convert 470 000 ng to mg
4. Convert 38 110 μ g to mg
5. Convert 10 400 000 mg to g
6. Convert 0.00084 mg to μ g
7. Convert 0.2927 μ g to ng
8. Convert 1 853 000 ng to μ g
9. Convert 39 910 000 000 μ g to g
10. Convert 0.000000067 g to ng

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

Name: _____

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



1. Convert 0.00000293 mg to ng

$$0.00000293 \text{ mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 2.93 \text{ ng}$$

2. Convert 0.0000000303 g to ng

$$0.0000000303 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 30.3 \text{ ng}$$

3. Convert 470 000 ng to mg

$$470 \text{ 000 ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0.47 \text{ mg}$$

4. Convert 38 110 μg to mg

$$38 \text{ 110 } \mu\text{g} \div 10 \div 10 \div 10 = 38.11 \text{ mg}$$

5. Convert 10 400 000 mg to g

$$10 \text{ 400 000 mg} \div 10 \div 10 \div 10 = 10 \text{ 400 g}$$

6. Convert 0.00084 mg to μg

$$0.00084 \text{ mg} \times 10 \times 10 \times 10 = 0.84 \mu\text{g}$$

7. Convert 0.2927 μg to ng

$$0.2927 \mu\text{g} \times 10 \times 10 \times 10 = 292.7 \text{ ng}$$

8. Convert 1 853 000 ng to μg

$$1 \text{ 853 000 ng} \div 10 \div 10 \div 10 = 1853 \mu\text{g}$$

9. Convert 39 910 000 000 μg to g

$$39 \text{ 910 000 000 } \mu\text{g} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 39 \text{ 910 g}$$

10. Convert 0.000000067 g to ng

$$0.000000067 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 67 \text{ ng}$$