

# Converting Between ng, $\mu\text{g}$ , mg and g (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ /10

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



1. Convert 0.00049 mg to  $\mu\text{g}$
2. Convert 645 800  $\mu\text{g}$  to mg
3. Convert 0.00000000062 g to ng
4. Convert 88 800 000 000 ng to mg
5. Convert 0.0000609 g to ng
6. Convert 0.734  $\mu\text{g}$  to ng
7. Convert 0.00000429 g to  $\mu\text{g}$
8. Convert 46 000 ng to  $\mu\text{g}$
9. Convert 180 000 mg to g
10. Convert 8 492 000 000 ng to mg

# Converting Between ng, $\mu\text{g}$ , mg and g (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ /10

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



1. Convert 0.00049 mg to  $\mu\text{g}$

$$0.00049 \text{ mg} \times 10 \times 10 \times 10 = 0.49 \mu\text{g}$$

2. Convert 645 800  $\mu\text{g}$  to mg

$$645\,800 \mu\text{g} \div 10 \div 10 \div 10 = 645.8 \text{ mg}$$

3. Convert 0.00000000062 g to ng

$$0.00000000062 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 0.62 \text{ ng}$$

4. Convert 88 800 000 000 ng to mg

$$88\,800\,000\,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 88\,800 \text{ mg}$$

5. Convert 0.0000609 g to ng

$$0.0000609 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 60\,900 \text{ ng}$$

6. Convert 0.734  $\mu\text{g}$  to ng

$$0.734 \mu\text{g} \times 10 \times 10 \times 10 = 734 \text{ ng}$$

7. Convert 0.00000429 g to  $\mu\text{g}$

$$0.00000429 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 4.29 \mu\text{g}$$

8. Convert 46 000 ng to  $\mu\text{g}$

$$46\,000 \text{ ng} \div 10 \div 10 \div 10 = 46 \mu\text{g}$$

9. Convert 180 000 mg to g

$$180\,000 \text{ mg} \div 10 \div 10 \div 10 = 180 \text{ g}$$

10. Convert 8 492 000 000 ng to mg

$$8\,492\,000\,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 8492 \text{ mg}$$