

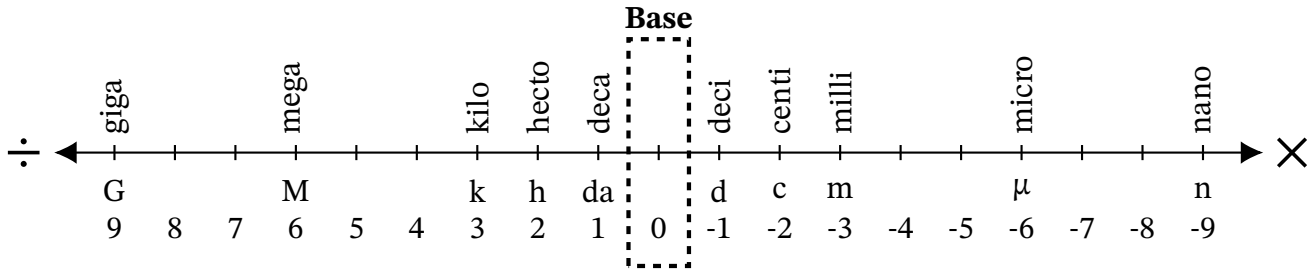
## Converting Between ng, $\mu\text{g}$ , mg and g (E)

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

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

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

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



1. Convert 19,000  $\mu\text{g}$  to mg
2. Convert 84,910,000,000  $\mu\text{g}$  to g
3. Convert 14.12 mg to  $\mu\text{g}$
4. Convert 150,800,000,000 ng to g
5. Convert 0.00000071 mg to ng
6. Convert 670,000 ng to mg
7. Convert 0.0000493 g to ng
8. Convert 0.00035  $\mu\text{g}$  to ng
9. Convert 11,090,000 ng to  $\mu\text{g}$
10. Convert 0.207 g to mg

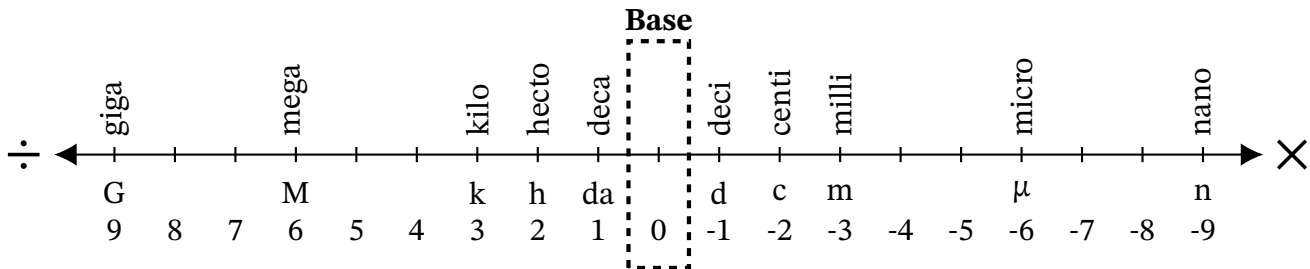
## Converting Between ng, $\mu\text{g}$ , mg and g (E) Answers

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

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

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

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



1. Convert 19,000  $\mu\text{g}$  to mg

$$19,000 \mu\text{g} \div 10 \div 10 \div 10 = 19 \text{ mg}$$

2. Convert 84,910,000,000  $\mu\text{g}$  to g

$$84,910,000,000 \mu\text{g} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 84,910 \text{ g}$$

3. Convert 14.12 mg to  $\mu\text{g}$

$$14.12 \text{ mg} \times 10 \times 10 \times 10 = 14,120 \mu\text{g}$$

4. Convert 150,800,000,000 ng to g

$$150,800,000,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 150.8 \text{ g}$$

5. Convert 0.00000071 mg to ng

$$0.00000071 \text{ mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 0.71 \text{ ng}$$

6. Convert 670,000 ng to mg

$$670,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0.67 \text{ mg}$$

7. Convert 0.0000493 g to ng

$$0.0000493 \text{ g} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 49,300 \text{ ng}$$

8. Convert 0.00035  $\mu\text{g}$  to ng

$$0.00035 \mu\text{g} \times 10 \times 10 \times 10 = 0.35 \text{ ng}$$

9. Convert 11,090,000 ng to  $\mu\text{g}$

$$11,090,000 \text{ ng} \div 10 \div 10 \div 10 = 11,090 \mu\text{g}$$

10. Convert 0.207 g to mg

$$0.207 \text{ g} \times 10 \times 10 \times 10 = 207 \text{ mg}$$