

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

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

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

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

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



1. Convert 1,300,000,000,000 ng to g
2. Convert 7,384,000,000,000 ng to g
3. Convert 0.00032 mg to  $\mu\text{g}$
4. Convert 110,000,000 ng to mg
5. Convert 0.00034 mg to  $\mu\text{g}$
6. Convert 890,000  $\mu\text{g}$  to g
7. Convert 82,850 mg to g
8. Convert 4.1  $\mu\text{g}$  to ng
9. Convert 0.0654  $\mu\text{g}$  to ng
10. Convert 0.0000071 mg to ng

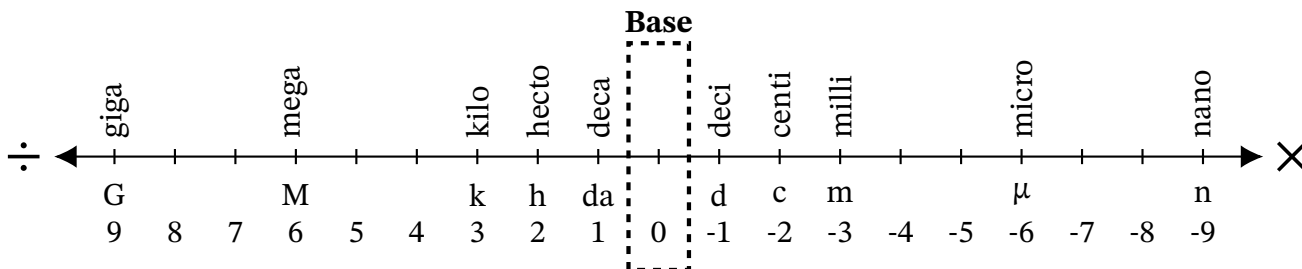
## Converting Between ng, μg, mg and g (B) Answers

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

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

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

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



1. Convert 1,300,000,000,000 ng to g

$$1,300,000,000,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 1300 \text{ g}$$

2. Convert 7,384,000,000,000 ng to g

$$7,384,000,000,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 7384 \text{ g}$$

3. Convert 0.00032 mg to μg

$$0.00032 \text{ mg} \times 10 \times 10 \times 10 = 0.32 \mu\text{g}$$

4. Convert 110,000,000 ng to mg

$$110,000,000 \text{ ng} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 110 \text{ mg}$$

5. Convert 0.00034 mg to μg

$$0.00034 \text{ mg} \times 10 \times 10 \times 10 = 0.34 \mu\text{g}$$

6. Convert 890,000 μg to g

$$890,000 \mu\text{g} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0.89 \text{ g}$$

7. Convert 82,850 mg to g

$$82,850 \text{ mg} \div 10 \div 10 \div 10 = 82.85 \text{ g}$$

8. Convert 4.1 μg to ng

$$4.1 \mu\text{g} \times 10 \times 10 \times 10 = 4100 \text{ ng}$$

9. Convert 0.0654 μg to ng

$$0.0654 \mu\text{g} \times 10 \times 10 \times 10 = 65.4 \text{ ng}$$

10. Convert 0.0000071 mg to ng

$$0.0000071 \text{ mg} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 7.1 \text{ ng}$$