

# Converting Between nm, $\mu\text{m}$ , mm, and cm (G)

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

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

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

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



1. Convert 8.183.000.000 nm to mm
2. Convert 0,00000057 cm to nm
3. Convert 217.000  $\mu\text{m}$  to cm
4. Convert 0,0309  $\mu\text{m}$  to nm
5. Convert 790.000 nm to  $\mu\text{m}$
6. Convert 8700 mm to cm
7. Convert 81,9 cm to mm
8. Convert 59.640.000.000 nm to mm
9. Convert 0,3725 mm to  $\mu\text{m}$
10. Convert 0,000000969 cm to nm

# Converting Between nm, μm, mm, and cm (G) Answers

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

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



1. Convert 8.183.000.000 nm to mm

$$8.183.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 8183 \text{ mm}$$

2. Convert 0,00000057 cm to nm

$$0,00000057 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 5,7 \text{ nm}$$

3. Convert 217.000 μm to cm

$$217.000 \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 21,7 \text{ cm}$$

4. Convert 0,0309 μm to nm

$$0,0309 \mu\text{m} \times 10 \times 10 \times 10 = 30,9 \text{ nm}$$

5. Convert 790.000 nm to μm

$$790.000 \text{ nm} \div 10 \div 10 \div 10 = 790 \mu\text{m}$$

6. Convert 8700 mm to cm

$$8700 \text{ mm} \div 10 = 870 \text{ cm}$$

7. Convert 81,9 cm to mm

$$81,9 \text{ cm} \times 10 = 819 \text{ mm}$$

8. Convert 59.640.000.000 nm to mm

$$59.640.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 59.640 \text{ mm}$$

9. Convert 0,3725 mm to μm

$$0,3725 \text{ mm} \times 10 \times 10 \times 10 = 372,5 \mu\text{m}$$

10. Convert 0,000000969 cm to nm

$$0,000000969 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 9,69 \text{ nm}$$