

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

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

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

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

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



1. Convert 3 100 000  $\mu\text{m}$  to cm
2. Convert 899 000 nm to  $\mu\text{m}$
3. Convert 68 000 000  $\mu\text{m}$  to cm
4. Convert 0.0000155 cm to nm
5. Convert 0.05646 mm to nm
6. Convert 659 800  $\mu\text{m}$  to mm
7. Convert 0.00008795 mm to nm
8. Convert 0.00000019 cm to nm
9. Convert 0.00081 mm to  $\mu\text{m}$
10. Convert 3 070 000 nm to  $\mu\text{m}$

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

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



1. Convert 3 100 000  $\mu\text{m}$  to cm

$$3\ 100\ 000\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 310\ \text{cm}$$

2. Convert 899 000 nm to  $\mu\text{m}$

$$899\ 000\ \text{nm} \div 10 \div 10 \div 10 = 899\ \mu\text{m}$$

3. Convert 68 000 000  $\mu\text{m}$  to cm

$$68\ 000\ 000\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 6800\ \text{cm}$$

4. Convert 0.0000155 cm to nm

$$0.0000155\ \text{cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 155\ \text{nm}$$

5. Convert 0.05646 mm to nm

$$0.05646\ \text{mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 56\ 460\ \text{nm}$$

6. Convert 659 800  $\mu\text{m}$  to mm

$$659\ 800\ \mu\text{m} \div 10 \div 10 \div 10 = 659.8\ \text{mm}$$

7. Convert 0.00008795 mm to nm

$$0.00008795\ \text{mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 87.95\ \text{nm}$$

8. Convert 0.00000019 cm to nm

$$0.00000019\ \text{cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 1.9\ \text{nm}$$

9. Convert 0.00081 mm to  $\mu\text{m}$

$$0.00081\ \text{mm} \times 10 \times 10 \times 10 = 0.81\ \mu\text{m}$$

10. Convert 3 070 000 nm to  $\mu\text{m}$

$$3\ 070\ 000\ \text{nm} \div 10 \div 10 \div 10 = 3070\ \mu\text{m}$$