

Converting Between nm, μm , mm, and cm (I)

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 0,482 mm to μm
2. Convert 6,6 mm to cm
3. Convert 830 nm to μm
4. Convert 0,000000089 cm to nm
5. Convert 919.500 μm to cm
6. Convert 76.400.000 nm to cm
7. Convert 0,0033 mm to nm
8. Convert 24.160.000.000 nm to mm
9. Convert 0,9139 μm to nm
10. Convert 480 cm to mm

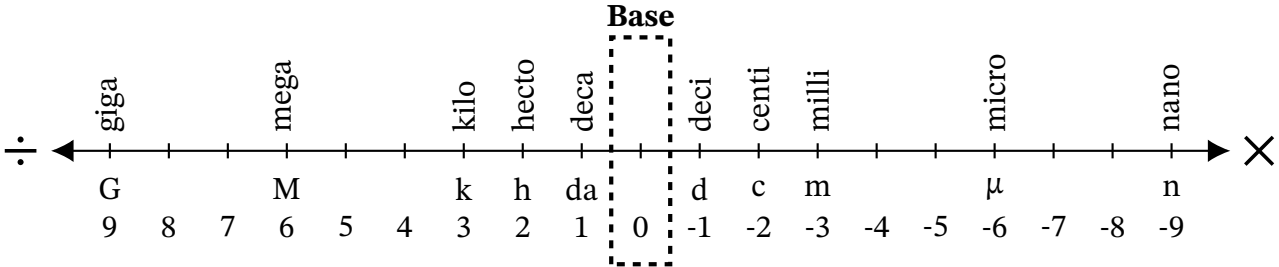
Converting Between nm, μm , mm, and cm (I) Answers

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



1. Convert 0,482 mm to μm

$$0,482 \text{ mm} \times 10 \times 10 \times 10 = 482 \mu\text{m}$$

2. Convert 6,6 mm to cm

$$6,6 \text{ mm} \div 10 = 0,66 \text{ cm}$$

3. Convert 830 nm to μm

$$830 \text{ nm} \div 10 \div 10 \div 10 = 0,83 \mu\text{m}$$

4. Convert 0,000000089 cm to nm

$$0,000000089 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 0,89 \text{ nm}$$

5. Convert 919.500 μm to cm

$$919.500 \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 91,95 \text{ cm}$$

6. Convert 76.400.000 nm to cm

$$76.400.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 7,64 \text{ cm}$$

7. Convert 0,0033 mm to nm

$$0,0033 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 3300 \text{ nm}$$

8. Convert 24.160.000.000 nm to mm

$$24.160.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 24.160 \text{ mm}$$

9. Convert 0,9139 μm to nm

$$0,9139 \mu\text{m} \times 10 \times 10 \times 10 = 913,9 \text{ nm}$$

10. Convert 480 cm to mm

$$480 \text{ cm} \times 10 = 4800 \text{ mm}$$