

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

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 0.0000061 cm to nm
2. Convert 0.6756 μm to nm
3. Convert 0.398 mm to μm
4. Convert 0.003705 mm to nm
5. Convert 344 700 000 nm to cm
6. Convert 0.22 cm to μm
7. Convert 740 μm to mm
8. Convert 340 000 nm to mm
9. Convert 610 nm to μm
10. Convert 92 050 000 μm to cm

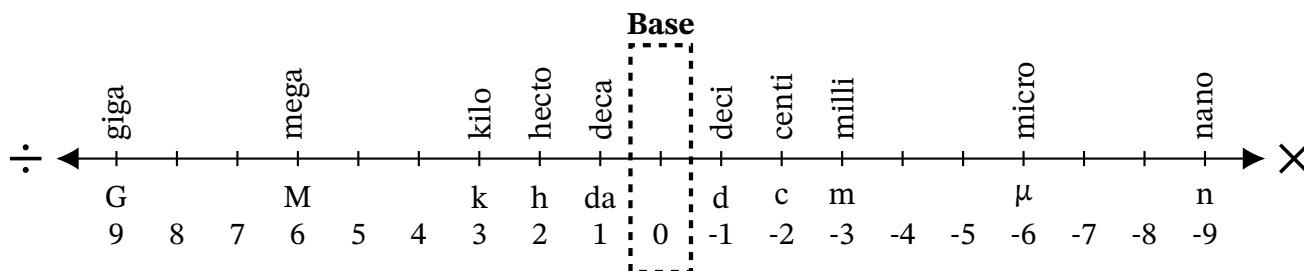
Converting Between nm, μm , mm and cm (B) Answers

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



1. Convert 0.0000061 cm to nm

$$0.0000061 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 61 \text{ nm}$$

2. Convert 0.6756 μm to nm

$$0.6756 \mu\text{m} \times 10 \times 10 \times 10 = 675.6 \text{ nm}$$

3. Convert 0.398 mm to μm

$$0.398 \text{ mm} \times 10 \times 10 \times 10 = 398 \mu\text{m}$$

4. Convert 0.003705 mm to nm

$$0.003705 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 3705 \text{ nm}$$

5. Convert 344 700 000 nm to cm

$$344\,700\,000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 34.47 \text{ cm}$$

6. Convert 0.22 cm to μm

$$0.22 \text{ cm} \times 10 \times 10 \times 10 \times 10 = 2200 \mu\text{m}$$

7. Convert 740 μm to mm

$$740 \mu\text{m} \div 10 \div 10 \div 10 = 0.74 \text{ mm}$$

8. Convert 340 000 nm to mm

$$340\,000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0.34 \text{ mm}$$

9. Convert 610 nm to μm

$$610 \text{ nm} \div 10 \div 10 \div 10 = 0.61 \mu\text{m}$$

10. Convert 92 050 000 μm to cm

$$92\,050\,000 \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 9205 \text{ cm}$$