

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

Name: _____

Date: _____

Score: _____ /10

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

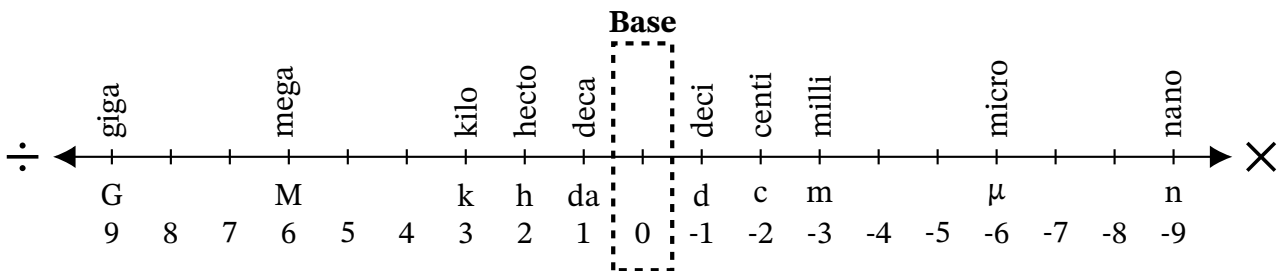


1. Convert 0,0025 mm to nm
2. Convert 7,197 cm to μm
3. Convert 9700 μm to mm
4. Convert 79.000 mm to cm
5. Convert 3,691 cm to mm
6. Convert 0,34 μm to nm
7. Convert 4.972.000.000 nm to mm
8. Convert 0,02507 cm to nm
9. Convert 913.000.000.000 nm to cm
10. Convert 6700 nm to μm

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

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



1. Convert 0,0025 mm to nm

$$0,0025 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 2500 \text{ nm}$$

2. Convert 7,197 cm to μm

$$7,197 \text{ cm} \times 10 \times 10 \times 10 \times 10 = 71.970 \mu\text{m}$$

3. Convert 9700 μm to mm

$$9700 \mu\text{m} \div 10 \div 10 \div 10 = 9,7 \text{ mm}$$

4. Convert 79.000 mm to cm

$$79.000 \text{ mm} \div 10 = 7900 \text{ cm}$$

5. Convert 3,691 cm to mm

$$3,691 \text{ cm} \times 10 = 36,91 \text{ mm}$$

6. Convert 0,34 μm to nm

$$0,34 \mu\text{m} \times 10 \times 10 \times 10 = 340 \text{ nm}$$

7. Convert 4.972.000.000 nm to mm

$$4.972.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 4972 \text{ mm}$$

8. Convert 0,02507 cm to nm

$$0,02507 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 250.700 \text{ nm}$$

9. Convert 913.000.000.000 nm to cm

$$913.000.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 91.300 \text{ cm}$$

10. Convert 6700 nm to μm

$$6700 \text{ nm} \div 10 \div 10 \div 10 = 6,7 \mu\text{m}$$