

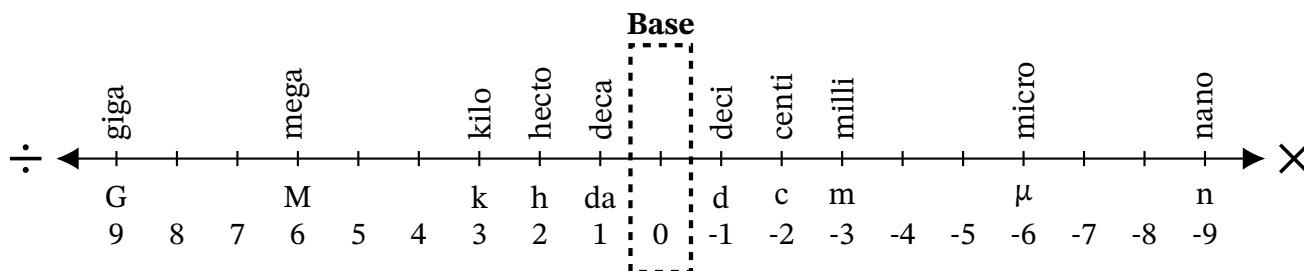
Converting Between nm, μm , mm and cm (E) Answers

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 0.00003284 cm to nm

$$0.00003284 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 328.4 \text{ nm}$$

2. Convert 14,600,000 nm to μm

$$14,600,000 \text{ nm} \div 10 \div 10 \div 10 = 14,600 \mu\text{m}$$

3. Convert 0.0000045 mm to nm

$$0.0000045 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 4.5 \text{ nm}$$

4. Convert 220,000 μm to mm

$$220,000 \mu\text{m} \div 10 \div 10 \div 10 = 220 \text{ mm}$$

5. Convert 0.00982 mm to nm

$$0.00982 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 9820 \text{ nm}$$

6. Convert 0.00066 cm to nm

$$0.00066 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 6600 \text{ nm}$$

7. Convert 0.0997 cm to μm

$$0.0997 \text{ cm} \times 10 \times 10 \times 10 \times 10 = 997 \mu\text{m}$$

8. Convert 2700 nm to μm

$$2700 \text{ nm} \div 10 \div 10 \div 10 = 2.7 \mu\text{m}$$

9. Convert 4,600,000 μm to m

$$4,600,000 \mu\text{m} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 4.6 \text{ m}$$

10. Convert 6,900,000,000 nm to m

$$6,900,000,000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 6.9 \text{ m}$$