

Name _____ Date _____

Number
Unit 3 Line Master 5c

Metric Conversions Answers

$$1 \text{ m} = 100 \text{ cm, or } 1.0 \times 10^2 \text{ cm}$$

$$1 \text{ cm} = 0.01 \text{ m, or } 1.0 \times 10^{-2} \text{ m}$$

$$1 \text{ cm} = 10 \text{ mm, or } 1.0 \times 10^1 \text{ mm}$$

$$1 \text{ mm} = 0.1 \text{ cm, or } 1.0 \times 10^{-1} \text{ cm}$$

$$1 \text{ m} = 1000 \text{ mm, or } 1.0 \times 10^3 \text{ mm}$$

$$1 \text{ mm} = 0.001 \text{ m, or } 1.0 \times 10^{-3} \text{ m}$$

$$1 \text{ mm} = 1000 \text{ }\mu\text{m, or } 1.0 \times 10^3 \text{ }\mu\text{m}$$

$$1 \text{ }\mu\text{m} = 0.001 \text{ mm, or } 1.0 \times 10^{-3} \text{ mm}$$

$$1 \text{ }\mu\text{m} = 1000 \text{ nm, or } 1.0 \times 10^3 \text{ nm}$$

$$1 \text{ nm} = 0.001 \text{ }\mu\text{m, or } 1.0 \times 10^{-3} \text{ }\mu\text{m}$$

$$1 \text{ nm} = 0.000\,000\,000\,001 \text{ km, or } 1.0 \times 10^{-12} \text{ km}$$

$$1 \text{ km} = 1\,000\,000\,000\,000 \text{ nm, or } 1.0 \times 10^{12} \text{ nm}$$