Metric Conversions Answers

**Number**

**Unit 3 Line Master 5c**

1 m = 100 cm, or 1.0 × 102 cm

1 cm = 0.01 m, or 1.0 × 10‒2 m

1 cm = 10 mm, or 1.0 × 101 mm

1 mm = 0.1 cm, or 1.0 × 10‒1 cm

1 m = 1000 mm, or 1.0 × 103 mm

1 mm = 0.001 m, or 1.0 × 10‒3 m

1 mm = 1000 µm, or 1.0 × 103 µm

1 µm = 0.001 mm, or 1.0 × 10‒3 mm

1 µm = 1000 nm, or 1.0 × 103 nm

1 nm = 0.001 µm, or 1.0 × 10‒3 µm

1 nm = 0.000 000 000 001 km, or 1.0 × 10‒12 km

1 km = 1 000 000 000 000 nm, or 1.0 × 1012 nm