

CONVERSION PRACTICE SHEET

Name: Master

Metric Conversion Practice

1. Length Conversions

a) 254.3 m = 0.2543 km

b) 30.5 cm = 305 mm

c) 0.05 m = 50 cm

d) 4505.0 μm = 4.505 mm

2. Volume Conversions

a) 20.0 L = 20000 mL

b) 7.98 mL = 0.00798 L

c) 22.5 kL = 22500 L

d) 1.02 L = 1020 mL

3. Mass Conversions

a) 200.0 mg = 0.2 g

b) 350.8 g = 0.3508 kg

c) 0.5 Mg = 500 kg

d) 35480.0 mg = 0.03548 kg

Significant Digits Practice

1. Count the significant digits

a) 863000 3

b) 0.00035 2

c) 0.026500 5

d) 650300 4

Rounding Off Practice

1. Round the following numbers to 4 significant digits

a) 8963.23 8963

b) 54.236 54.24

c) 9.23399 9.234

d) 753.358 753.4

e) 5462.59 5463

f) 23.205 23.20

Scientific Notation Practice

1. Rewrite the number in scientific notation

a) 900000 9×10^5

b) 0.0008 8.0×10^{-4}

c) 0.0000032 3.2×10^{-6}

d) 60300000000000000 6.03×10^{16}

2. Rewrite the number in decimal notation

a) 3×10^4 30000

b) 2×10^7 20000000

c) 6×10^{-9} 0.000000006

d) 9.76×10^{-5} 0.0000976