Conversion Practice

1. Write the following numbers in scientific notation:

a) 20500000000 =_____

b) 0.0000001009 = _____

c) 9000000000000000 = _____

d) 0.000000000000026 = _____

2. Write the following numbers in standard form

a) 1.23×10^2 = _____

c) 5.04×10^{-4} = _____

b) 4×10^{10} = _____

d) 4×10^{-10} = _____

3. Convert the following metric measurements as indicated:

a) 14 560 cm = _____ m

l) 5.6×10^2 mm = _____ km

b) 0.00 360 kg = _____ mg

m) 60 seconds = _____ h

c) 450 cm^3 = _____ mL

n) 1000 hours = _____ weeks

d) 225 mL = _____ L

o) 450 µL = _____ L

e) 135 cm^3 = _____ L

o) 345 Ω = _____ kΩ

f) 14 560 m = _____ Mm

p) 5.6×10^2 mm = _____ µm

g) 0.00 360 g = _____ ng

q) 60 s = _____ ms

h) 450 N = _____ GN

r) 1000 g = _____ mg

i) 225 J = _____ kJ

s) 450 µW = _____ mW

j) 135 mol = _____ mmol

t) 345 A = _____ cA