

Chapter 1: Measurement and Calculation Worksheet

1. Write out these numbers in scientific notation:

a) 25 million dollars

2.5×10^7

c) a 425 cholesterol level

4.25×10^2

b) a nickel as a fraction of a dollar

5×10^{-2}

d) 0.0004867

4.867×10^{-4}

2. Write out these numbers using decimal notation:

a) 6.02×10^7

60,200,000

c) 1.7×10^{-2}

0.017

b) 1.0×10^3

1,000

d) 4.936×10^{-4}

0.0004936

3. Give the SI prefixes for these numbers:

a) 10^{-3}

milli

c) 10^{-2}

centi

b) 10^6

mega

d) 10^3

kilo

4. Give the scientific notation for each SI prefix:

a) nano

10^{-9}

c) giga

10^9

b) deci

10^{-1}

d) micro

10^{-6}

5. Give the SI unit for:

a) temperature **Kelvin, K**

b) mass **kilogram, kg**

c) length **meter, m**

