

Module 1 - Engaging Activities

A. Round off the following to the thousandths place

1. 11.03452
2. 3.96880
3. 140.69991
4. 0.210995
5. 15.3423

B. How many significant figures do these numbers have

1. 54
2. 54.0
3. 0.00054
4. 54000
5. 0.000005040

C. Write each number in correct scientific notation.

1. 0.00000000234
2. 2340000000
3. 0.0078
4. 0.000001090
5. 890000000

D. Convert the following as indicated. Use the abbreviation given in each unit.

1. 15 kilometer (km) to centimeter (cm)
2. 2000 millimeter to hectometer (hm)
3. 500 gram(g) to kilogram (kg)
4. 50 dekagram (Dg) to milligram (mg)
5. 250 decimeter (dm) to kilometer (km)

E. Convert the following as indicated. Use dimensional analysis in solving the problems. Show your solution.

1. 800 *mm* to *ft*
2. 500 *ml* to m^3
3. 300 *ft* to *km*
4. $150 \frac{m}{sec}$ to $\frac{km}{hr}$
5. $50 \frac{kg}{m^3}$ to $\frac{g}{cm^3}$