Scientific Notation and Dimensional Analysis: Introducing Scientific Notation

1. Identify the different parts of the given scientific Notation:

$$6.02 \times 10^{23}$$

Name:

6.02-

10 –

23 –

2. Write this number in scientific notation:

656,578

Step: 1-Move the decimal point until the number is between 1 and 10.

The coefficient is-

Step: 2-The exponent is ……….. and is …………………………………..

Step: 3- Write the number in scientific notation.

Coefficient   base   exponent   6.56578.   5

Positive 6.56578×10^{5}