

Mass

Mass represents the basic quantity of a substance.

Its units are mg, g, kilogram, tonnes of which, kilogram is the SI unit.

In English unit, also called British unit, or fps unit system, it has the unit of pound which is represented as lb which comes from the word LIBRA.

$$1 \text{ kg} = 2.204632 \text{ lb}$$

$$1 \text{ lb} = 0.45359 \text{ kg}$$

When the substance measured is available in small quantity, its mass is expressed in milligrams or grams

When the substance measured is available in intermediate quantity, its mass is expressed in kilograms

When the substance measured is available in large quantity, its mass is expressed in tons.

There are 3 types of tons

- Long ton
- Short ton
- Metric ton

$$1 \text{ long ton} = 2240 \text{ lb} = 1016 \text{ kg}$$

$$1 \text{ short ton} = 2000 \text{ lb} = 907.18 \text{ kg}$$

$$1 \text{ metric ton} = 2204.632 \text{ lb} = 1000 \text{ kg}$$