

VIII.

METRIC SYSTEM.

Metric Weights and Measures are those whose units increase and decrease regularly by the **Decimal Scale**.

The **metre** is the **base**, and from it the metric system derives its name.

The metric system has three principal units: the *metre* for measurements of length, the *litre* for capacity, and the *gram* for weight.

The *higher denominations* are formed by prefixing to the name of the unit the Greek numerals: **Deca**, signifying 10; **Hecto**, 100; **Kilo**, 1000; **Myria**, 10,000.

The *lower denominations* are formed by prefixing to the name of the unit the Latin numerals: **Deci**, signifying $\frac{1}{10}$ or $\cdot 1$; **Centi**, $\frac{1}{100}$ or $\cdot 01$; **Milli**, $\frac{1}{1000}$ or $\cdot 001$.

E.g.) Kilometre = 1000 metres.

/ Centimetre = $\frac{1}{100}$ of a metre.

MONEY.

100 centimes = 1 franc (fr.)

LENGTH.

10 **millimetres*** (mm.) = 1 **centimetre** (cm.)

10 centimetres = 1 decimetre (dm.)

10 decimetres = 1 **metre** (m.)

10 metres = 1 decametre (Dm.)

10 decametres = 1 hectometre (Hm.)

10 hectometres = 1 **kilometre** (Km.)

10 kilometres = 1 myriametre (Mm.)

* Only units printed in **black letter** are in common use.