**Conversion Tables and Methods to Use when converting**

**from Metric Units to Metric Units (Length)**

**Some terms to remember**

|  |  |
| --- | --- |
|  Meter – Length |  Kilo – Thousand |
|  Liter – Volume |  **Milli – Thousand** |
|  Gram – Mass/Weight |  **Centi – Hundred** |
|  Celsius – Temperature |  **Deci – Ten** |

**Measure of Lengths**

|  |  |
| --- | --- |
|  10 millimeters (mm) = |  1 centimeter (cm) |
|  10 centimeters = |  1 **decimeter** (dm) = 100 millimeters |
|  100 centimeter = |  1 **meter** (m) = 1,000 millimeters |
|  1000 meters = |  1 **kilometer** (km) |

**Operations for Length**

**Example**: To get Centimeters from Meters you multiply the Meters by 10

**You Have**: 23 Meters

**You want Centimters**: **So, Centimeters = 23 Meters**

**We Multiply the meters by 100**: 

**You want Centimters**: **So, Centimeters = 23 Meters**

There are 2300 centimeters in 23 meters or 100 centimeters for every meter.

|  |  |  |
| --- | --- | --- |
|  **If you have this** |  **Do this** |  **To get this** |
|  millimeters (mm) |  Divide by 10 (mm/10) |  centimeter (cm) |
|  centimeters (cm) |  Multiply by 10 (cm \* 10) |  Millimeters (mm) |
|  Meters (m) |  Multiply by 100 (m \* 100) |  Centimeters (cm) |
|  Centimeters (cm) |  Divide by 100 (cm/100) |  Meters (m) |
|  Millimeters (mm) |  Divide by 1000 (mm/1000) |  Meters (m) |