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| --- |
| **SI Base Units** |
| **Quantity Measured** | **Unit (symbol)** |
| Length | Meter (m) |
| Mass | Kilogram (kg) |
| Volume | Liter (L) |
| Time | Second (s) |
| Electric current | Ampere (A) |
| Temperature | Kelvin (K) |
| Substance amount | Mole (mol) |
| Light intensity | Candela (cd) |

 | **Metersticks** measure length (m).**Glassware** measures volume (L).**Triple-beam balances** measure mass (g).**Thermometers** measure temperature (°C). |

|  |
| --- |
| **Prefixes** |
| **Prefix** | **Meaning** |
| Mega- (M) | 1,000,000 |
| Kilo- (k) | 1,000 |
| Hecto- (h) | 100 |
| Deka- (da) | 10 |
| Base Unit | 1 |
| Deci- (d) | 0.1 (or 1/10) |
| Centi- (c) | 0.01 (or 1/100) |
| Milli- (m) | 0.001 (or 1/1,000) |
| Micro- (µ) | 0.000 001 (or 1/1,000,000) |

 |

**Metric Measurement Chart – King Henry Doesn’t Usually Drink Chocolate Milk**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Kilo- | Hecto- | Deca- | Base Unit | Deci- | Centi- | Milli- |
| Thousands | Hundreds | Tens | Ones | Tenths | Hundredths | Thousandths |
| kilometer (km)kiloliter (kL)kilogram (kg) | hectometer (hm)hectoliter (hL)hectogram (hg) | decameter (dam)deciliter (daL)decagram (dag) | Meter (m)liter (L)gram (g) | decimeter (dm)deciliter (dL)decigram (dg) | centimeter (cm)centiliter (cL)centigram (cg) | millimeter (mm)milliliter (mL)milligram (mg) |
| 1,000 | 100 | 10 | 1 | 0.1 | 0.01 | 0.001 |
| 0.001 | 0.01 | 0.1 | 1 | 10 | 100 | 1000 |

1) Larger measurement to smaller measurement = Multiply (move decimal to the right)

2) Smaller measurement to larger measurement = Divide (move decimal to the left)