C:\Users\Gregory\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\WV6R2LC3\MC900290924[1].wmfMetric Measurement Reference ChartC:\Users\Gregory\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\WV6R2LC3\MC900335991[1].wmfName\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Measurement** | **Instrument** | **Basic Unit** | **Common Quantities** | **Examples**  **Located** |
| volume | graduated cylinder or beaker | **liter** | 500 milliliter |  |
| 1 liter |  |
| mass | triple beam balance or digital scale | **gram** | 1 gram |  |
| 5 grams |  |
| 1 kilogram |  |
| temperature | thermometer | **°Celsius** | 0 °C |  |
| 20 °C |  |
| 100°C |  |
| length | meter stick or centimeter ruler | **meter** | 1 millimeter |  |
| 10 centimeters |  |
| 1 meter |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Prefix** | **Symbol** | **Factor** | **Numerically** | **Name** |
|  |  |  |  |  |
|  |  |  |  |  |
| kilo | k | 103 | 1 000 | thousand |
| centi | c | 10-2 | 0.01 | hundredth |
| milli | m | 10-3 | 0.001 | thousandth |
|  |  |  |  |  |
|  |  |  |  |  |

**The most commonly used metric prefixes\***

|  |  |
| --- | --- |
|  | \*Adapted from: US Metric Association Commonly Used Metric System Units, Symbols, and Prefixes http://lamar.colostate.edu/~hillger/common.html |