Measurement Units

# A. Number vs. Quantity

# B. SI Units

|  |  |  |  |
| --- | --- | --- | --- |
| **Quantity** | **Symbol** | **Base Unit** | **Abbreviation** |
| Length |  |  |  |
| Mass |  |  |  |
| Time |  |  |  |
| Temp |  |  |  |
| Amount |  |  |  |

|  |  |  |
| --- | --- | --- |
| **Prefix** | **Symbol** | **Factor** |
| mega- |  |  |
| kilo- |  |  |
| hecto- |  |  |
| deca- |  |  |
| Base Unit |  |  |
| deci- |  |  |
| centi- |  |  |
| milli- |  |  |
| micro- |  |  |
| nano- |  |  |
| pico- |  |  |

**C. Derived Units**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of base units.
* Volume
* Density
* An object has a volume of 825 cm3 and a density of 13.6 g/cm3. Find its mass.
* A liquid has a density of 0.87 g/mL. What volume is occupied by 25 g of the liquid?