

*Metric System *** International System of Measurement*

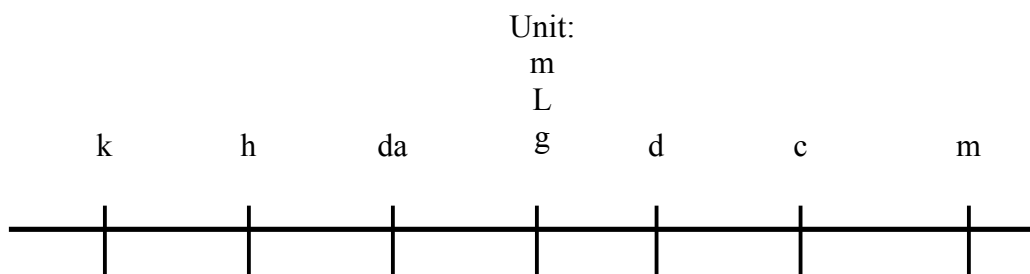
METER – (m) – base unit for **distance** or **length**; measured by a meter stick

LITER – (L) – base unit for liquid **volume** or **capacity**; measured by a graduated cylinder

GRAM – (g) – base unit for **mass**; measure on a balance

| <u>Metric Prefix</u> | <u>Symbol</u> | <u>Multiple</u> |
|----------------------|---------------|-----------------|
| kilo- | k | 1000 |
| hecto- | h | 100 |
| deka- | da | 10 |
| base | m, L, or g | 1 |
| deci- | d | 0.1 |
| centi- | c | 0.01 |
| milli- | m | 0.001 |

METRIC NUMBERLINE – “**K**im **h**it **D**an **u**ntil **D**an **c**ouldn’t **m**ove.”



METRIC CONVERSION HINTS:

- memorize prefixes in order
- write prefixes on a number line with the base unit
- As you move to the right on the number line, you multiply by 10, so you move the decimal point to the right the same number of places.
- As you move to the left on the number line, you divide by 10, so you move the decimal point to the left the same number of places.