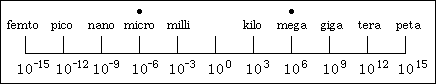
**SI Units**

|  |  |  |  |
| --- | --- | --- | --- |
| ***The Seven SI Base Units*** | | | |
|  | | | |
| **Physical Quantity** | **Dimension Symbol** | **Unit Name** | **Unit Symbol** |
| Mass | M | kilogram | kg |
| Length | L | meter | m |
| Time | T | second | s |
| Temperature |  | kelvin | K |
| Amount of Substance | N | mole | mol |
| Electric Current | I | ampere | A |
| Luminous Intensity | J | candela | cd |

|  |  |  |  |
| --- | --- | --- | --- |
| ***The Two SI Supplementary Units*** | | | |
|  | | | |
|  | | | |
| **Physical Quantity** | **Dimension Symbol** | **Unit Name** | **Unit Symbol** |
| Plane Angle |  | radian | rad |
| Solid Angle |  | steradian | sr |

**A List of the Metric Prefixes**

|  |  |  |
| --- | --- | --- |
|  |  | Multiplier |
| Prefix | Symbol | Numerical | Exponential |
| yotta | Y | 1,000,000,000,000,000,000,000,000 | 1024 |
| zetta | Z | 1,000,000,000,000,000,000,000 | 1021 |
| exa | E | 1,000,000,000,000,000,000 | 1018 |
| peta | P | 1,000,000,000,000,000 | 1015 |
| tera | T | 1,000,000,000,000 | 1012 |
| giga | G | 1,000,000,000 | 109 |
| mega | M | 1,000,000 | 106 |
| kilo | k | 1,000 | 103 |
| hecto | h | 100 | 102 |
| deca | da | 10 | 101 |
| no prefix means: | | 1 | 100 |
| deci | d | 0.1 | 10¯1 |
| centi | c | 0.01 | 10¯2 |
| milli | m | 0.001 | 10¯3 |
| micro |  | 0.000001 | 10¯6 |
| nano | n | 0.000000001 | 10¯9 |
| pico | p | 0.000000000001 | 10¯12 |
| femto | f | 0.000000000000001 | 10¯15 |
| atto | a | 0.000000000000000001 | 10¯18 |
| zepto | z | 0.000000000000000000001 | 10¯21 |
| yocto | y | 0.000000000000000000000001 | 10¯24 |