

Entry 17

12/2

Metric System

- System of measurement used by scientists

	Basic unit
Distance	meters (m)
Mass	gram (g)
Volume	liter (L)

- Prefixes added in front of the basic unit to represent a larger or smaller number (kilo-, centi-, milli-, nano-, etc.)

Scientific Notation

- Move decimal so it's behind the first whole number
- Number of times you move it becomes the exponent to the 'power of 10'
- If starting with a small number (less than 1), then exponent is negative
- Only include significant figures – zeros at the beginning/end of a number are not needed

Number	Scientific Notation
1,230,000	1.23×10^6
428,900,000,000	4.289×10^{11}
0.00231	2.31×10^{-3}
0.0000000056	5.6×10^{-9}