

Outline: Chapter Two

Significant Figures

- how to count significant figures
- determining significant figures for multiplication and division
- determining significant figures for addition and subtraction

Scientific Notation

- converting between decimal form and scientific notation
- multiplying and dividing with scientific notation
- adding and subtracting with scientific notation
- difference between scientific notation and exponential notation
- significant figures and scientific notation

Metric System

- units and powers of ten
- length
- mass (vs. weight)
- volume (cubic length)
- simple conversions
- compound units
- complex conversions
- density and density calculations
 - mass difference (tare)
 - volume difference
- temperature
 - Fahrenheit vs. Celcius