#### UNIT 2 REVIEW ANSWERS

- 1. Scientific Notation
  - Know how to write numbers
     Convert the following numbers into scientific notation.

1. 0.000000009543 km	9.543 x 10° km
----------------------	----------------

b. Know to add/subtract and multiply and divide using calculator

1. 
$$6.23 \times 10^6 \text{ kL} + 5.24 \times 10^6 \text{ kL} = 1.15 \times 10^7 \text{ kL}$$

2. 
$$9.87 \times 10^4 \text{ g} - 6.2 \times 10^3 \text{ g} = 9.3 \times 10^4 \text{ g}$$

3. 
$$3.3 \times 10^{-4} \text{ mL}^2 + 1.1 \times 10^{-6} \text{ mL} = 3.0 \times 10^2 \text{ mL}$$

4. 
$$3 \times 10^{-4} \text{ m} \cdot 4 \times 10^{-5} \text{ m} = 1 \times 10^{-6} \text{ m}^2$$

- Know definition and SI units for mass, length, time, temperature, volume and the name of the equipment used to measure these.
  - Next to the equipment pictures write the name of the equipment, what it measures, and the unit it measures in.



Beaker Volume SI Unit Liters Lab unit mL



Graduated cylinder
Volume
SI Unit Liters
Lab unit mL



Ruler Length SI unit meters Lab unit cm



Triple Beam Balance Mass SI Unit kilogram Lab unit gram Thermometer Temperature SI unit Kelvin Lab unit °C

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**IM Harris** 

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