Metric Measurement

<u>Qualitative Data</u>-
   Written and descriptive data

<u>Quantitative</u>-
   Numbers data

<u>Length</u>-
   height (h), length (ℓ) , width (w)

<u>Mass</u>-
   The amount of matter in an object.

<u>Weight</u>-
   The amount of gravitational pull on an object.

<u>Volume</u>-
   The amount of space an object takes up.

Metric Measurement

% of Sweetener in Gum

$$\frac{\text{mass of sweetener}}{\text{mass of fresh gum}} = \% \text{ of sweeener}$$

steps

1) subtract:

    fresh mass — chewed mass

2) divide:

mass of sweetener ÷ mass of fresh gum

3) convert to %

a) take # and round to nearest hundredth

    ex) .627492 ⟶ .63

b) move decimal 2 places right

    ex) .63 ⟶ 63%

Measurement	Base Unit	Tools
length (ℓ)	meter (m)	ruler
mass (m)	grams (g)	triple beam balance
volume (v)	Liter (L)-liquid cm^3 - solid	water displacement math equation