Unit 1 – Introduction
Section 1.1: Measurement

Measurements in physics are usually carried out using _____ units

(aka the_____ _____).

Measurement	Unit	Symbol
Length		
Mass		
Time		
Speed		
Acceleration		
Force		
Energy		

To make life easier when dealing with really small or really large numbers, we use _____.

Prefix	Symbol	How much is that?
Tera		
Giga		
Mega		
Kilo		
Centi		
Milli		
Micro		
Nano		
Pico		

We may use a couple of non-metric units, like _____ and _____.

Remember that… 1 min = and 1 h =

To convert a quantity from one unit to another…

1. Write the quantity, including units, as a _____ on the left.
2. Write the units you want to get to as a _____ on the right.
3. Multiply by a bunch of conversion factors (_____) in between.

Examples

Convert 165 mm to m

Convert 24 Megagrams to centigrams

Convert 3 km/h to m/s