Name	Date	Block
	Mini Measurement	Lab
Purpose		
To practice taking common To practice using metric uni		
Materials		
Metric ruler Various size blocks Celsius thermometer	Marbles Small and large beakers	10 and 50 mL graduated cylinders Triple beam balance
Procedure		
described below with the material station. When you finish taking the	s that you find at the lab station. Be s required measurements you will have	will have a few minutes to complete various tasks as sure to fill in all of the required information from each to complete the questions at the end of this handout. where you begin, you will be instructed as to which
Data-Be sure to include the prop	er units for each measurement!	
	on to measure the length of various ob	jects:
A. Length of this piece of pape	r:	
B. Width of this piece of paper	<u>:</u>	
Use the meter stick found at this	station to measure:	
C. Height of the lab table:		
2. Station 2 -measuring liquid volution Use the graduated cylinders fou DO NOT SPILL OR ADD ANY L	nd at this station to measure the volum	e of the liquid in each graduated cylinder.
A. Volume of liquid in small	graduated cylinder:	
B. Volume of liquid in large	graduated cylinder:	
until the temperature stops chan		es of the contents of each beaker. Make sure to wait UARD"
A. Temperature of liquid A:		
B. Temperature of liquid B-	(ice water):	

A. Wo	od rectangular block	(measure in centimeters)	
	Length	Width	Height
	pilling any of the wate	· ,	FULLY place the rock inside the graduated cylinder d the new level of water. You will calculate the actual
		ed cylinder with rock:	•
The time w powder or be placed	neasuring mass ill come when you wil	I have to find the mass of a substance	e that cannot be weighed without a container (liquid, elp you to find the mass of a substance when it must
The time w powder or be placed	neasuring mass ill come when you wil substance that may n nto a container.	I have to find the mass of a substanc ot stay put). The following steps will h	e that cannot be weighed without a container (liquid,
The time w powder or be placed	neasuring mass ill come when you will substance that may n into a container. If the following:  a. mass of empt	I have to find the mass of a substanc ot stay put). The following steps will h	e that cannot be weighed without a container (liquid, elp you to find the mass of a substance when it must

## Station 2

1. How much greater is the volume in the large graduated cylinder than the volume in the small graduated cylinder?

## Station 3

1. Approximately, what is the temperature of liquid B in Fahrenheit (F)?

## Station 4

- 1. Use the formula length x width x height to determine the volume of the rectangular block.
- 2. What is the volume of the rock?

## Station 5

1. What is the mass of the 10 marbles?

Conclusion: What is the purpose of using the metric system in science?