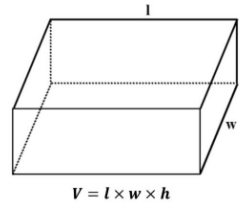


Partner Names: _____ Period: _____

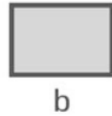
Measurement Lab

Part 1: Determine the length, area, or volume in centimeters (cm)

Volume of a Rectangular Prism

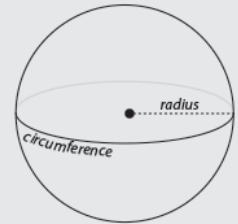


Rectangle or Square



Area = $a \times b$

Volume of a Sphere



Radius = circumference / $(2 \times \pi)$
Volume = $\frac{4}{3} \times \pi \times \text{radius}^3$

Circle Area = $\pi \times r^2$
 $\pi = 3.14$



Object or Location	Length (cm) , Area (cm ²), Volume(cm ³), Mass (g)
Area of a tile	
Area of your desk top	
Length of front table	
Height of filing cabinet	
Height of you and your partner	
Volume of textbook	
Mass of your pencil	
Height of your chair (ground to top of back)	
Mass of a Textbook	
Mass of a pair of Goggles	
Circumference of stool seat	
Full length of the back counter	
Shoe length of you and your partner	
Volume of a box of tissues	
Volume of equipment bin	
Height of hand soap dispenser	
Area of sink	
Circumference of tennis ball	
Volume of a meter stick	
Height of desk	
Length of normal stride (both partners)	
Volume of cellphone	
Mass of a meter stick	
Mass of a tennis ball	
Mass of your equipment bin	
Length of meter stick	
Length of forearms (elbow to wrist)	
Area of a warmup paper	
Length between top drawer handles	
Height of front table	
Area of an open tissue	
Your Choice -	

Partner Names: _____ Period: _____

Part 2: Use the triple beam balances to determine the mass (grams) of each of the objects. Grab one object and return it to your seat. Record the mass and then return the object. Continue determining the other objects.

[illegible]