Math 310 - Dr. Miller - Activity #19: Reference Units

1.	. Circle the most reasonable measurement and include extra labels or explanations that helped your thinking in each case:									
	(a)	Temperature outside today:								
			$60^{o}C$	$18^o F$	$18^{o}C$					
	(b)	Temperature of hot coffee that's just cool enough to drink:								
			$120^{o}C$	$120^o F$	$100^{o}C$					
	(c)	Length of your index finge	er:							
			8cm	8mm	8km					
			18inches	18cm	1.8m					
	(-)	W-:l-4 -flll								
	(e)	Weight of a cell phone:								
		10 - 20g	1.0 - 2.0g	10 -	- 20kg	100 - 200g				
(f) Volume of the waterfall at the Smith Center:										
		2.5L	2.5kL	2.5r	nL	2.5gal				
2.	2. For each number, place a decimal point to create the most reasonable measurement:									
	(a) Your desktop is about 2 5 0 0 centimeters thick.									
	(b) It's about $5\ 0\ 0\ 0$ kilometers from this classroom to the stadium.									
	(c) A snack-size bag of potato chips weighs about $5\ 2\ 0\ 0$ grams.									
(d) A typical outdoor trash can in a park can hold about 2 0 0 0 kiloliters of water.										
	(e) A typical dumpster can hold about 2 0 0 0 kiloliters of water.									

(continued on back)

	(a)	5 meters	5 yards	5 feet					
	(b)	2 gallons	2 liters	2 quarts					
	(c)	6° C re	frigerator temperature	$32^o~{ m F}$					
	(d)	15 ounces	15 grams	15 milligrams					
	(e)	8 pound	8 kilograms	8 ounces					
	(f)	12 miles	1.2 kilometers	12 meters					
4. Name one English/customary unit AND one metric unit that would be suitable for meas attribute below:(a) The height of our classroom									
	(b) The weight of your car								
	(c)	(c) The weight of a baby bird							
(d) The volume of a swimming pool									
	(e)	(e) The distance from SRU to Pittsburgh							
	(f)	f) The volume of your closet							
	(g)	g) The volume of a picnic cooler/basket							
	(h)	(h) The length of an eyelash							

 $3. \ \, \text{Circle the larger/higher measurement in each horizontal row:}$