Name			Date	
1.	ersion factors.			
	a. 4.5 km = m	d. 8.25 g = mg	g. 0.5 mi = ft	
	b fl oz = 2.75 c	e. 3.25 gal = qt	h. 7.9 m = cm	
	c mL = 4.85 L	f pt = 16.5 qt	i oz = 4.5 lb	

- 2. Cassidy figured out that she makes \$0.75 every minute at her job. She works 7 hours 15 minutes every day.
 - a. How many minutes does she work in 4 days?

b. How much will Cassidy earn in 4 days?

3. Emma can't believe how huge the Statue of Liberty is. She finds more information about Lady Liberty. Help Emma fill in the rest of the chart and then answer the questions.

The Statue of	CUSTOMARY UNITS		METRIC UNITS	
Liberty's	Feet	Inches	Meters	Centimeters
Nose	4 ft 6 in		1.37 m	
Index Finger	8 ft		2.44 m	
Head	17ft 3 in		5.26 m	
Eye	2 ft 6 in		0.76 m	

Source: http://www.nps.gov/stli/historyculture/statue-statistics.htm

- a. Emma is 52 inches tall. Which of Lady Liberty's body parts above is the closest to Emma's height? What is the difference between these two measurements in inches?
- b. Emma's eye is 4 cm wide. How many of Emma's eyes lined up end to end would it take to stretch all the way across one of Lady Liberty's eyes?

- c. The length of Emma's neighborhood block is 0.19 km. About how many of the statue's heads would it take to cover the length of her block?
- d. Measured in meters, Lady Liberty's index finger is 4 times as long as Emma's leg. What is the length of Emma's leg in meters?

- 1. Convert. Use your Reference Sheet if necessary.
 - a. 3.9 km = _____ m

b. _____ lb = 2.4 tons

c. 13.5 qt = _____ pt

Date
g. 1.3 tons = lb
_ qt h. 0.75 mi = yd
i oz = 8.5 lb

2. Jennifer wants to convert 7.85 meters to centimeters, but she does not have paper, pencil, or a calculator. Describe a method she can use.

3. A standard hot tub holds 2.3 kiloliters of water. After filling up two of nine hot tubs, Johnson's water service truck empties. How many liters of water are still needed to fill the remaining tubs?