

2. Complete each of the following showing as much work as possible.
- If you were born on January 1, 1980 at 12:00 am and measured time until January 1, 2013 at 12:00 pm, how many minutes would you have been alive?
 - How many centuries are in 164,250 days? (1 century = 100 years)
 - A container measures 16 inches in length by 2 feet in width by 1 yard in height. If volume is found by multiplying length times width times height, find the volume of the container in cubic feet.
 - Jose's company measures their gains in \$1000's of dollars. If his company earned 6.2 million in gains, how many \$1000's of dollars is this?
 - Tara's pool is 50 yards in length and 20 feet in width. How many square feet is the pool? How many square yards is the pool?

3. Complete each of the following showing as much work as possible.
- Write 32 months in months and years.
 - 10 years, 6 months is how many months?
 - If your final exam time is 110 minutes, write that time span in hours and minutes.
 - Amy is 14,964 days old today. How old is this in years and days? (Assume 365 days in a year and no leap years). How many days until Amy's birthday?
 - Joseph spent 6.45 hours working on his English paper. How much time is this in hours and minutes?

4. Complete each of the following showing as much work as possible.
- Add 2 lb 10 oz plus 4 lb 8 oz. Leave your answer in lb, oz.
 - Suppose you took two final exams on a given day. Each final exam allows 110 minutes. You took 1 hour and 5 minutes on the first exam and 50 minutes on the second. How long were you taking exams on that day? How much exam time did you not use on that day?
 - How much greater is 3 gallons than 2 gallons 1 qt?
 - Maria's pool holds 2962.27 gallons of water when filled to the recommended height. She needs to add 57.63 more gallons to reach this height. How many gallons of water are in the pool? How many quarts of water need to be added?
 - Graham ate 9 ounces of protein, 6 ounces of vegetables and 5 ounces of dairy. How many ounces did he eat in total? What is the equivalent weight in pounds?

5. Complete each of the following showing as much work as possible.

a. Which is the best estimate for the capacity of a bottle of olive oil? Choose from 500L, 500ml, 500 g, 500mg and explain your choice.

b. Complete the table. Show your work.

	Centimeters	Meters	Kilometers
Distance from Scottsdale to Las Vegas			421

c. If a tractor-trailer has a mass of 18,245 kg, what is its mass in grams?

d. Which measurement would be closest to the length of a newborn baby? 50 mm, 50 cm, 50 dm, or 50 m?

e. Which measurement would be closest to the weight of a penny? 2.5 mg, 2.5 g, 2.5 kg?

d. At its closest point, the distance from the Moon to the Earth is 225,622 miles. The circumference of the earth is 24,901 miles. How many times would you have to travel around the circumference of the Earth to equal the distance from the Earth to the Moon? (Round to two decimal places)

e. Johanna just returned from a trip to South Africa. She has 7342 rands, the currency of South Africa. She looks up the exchange rate and finds that 1 South African rand = 0.1125 U.S. dollars. What is the value of her money in U.S. dollars?