AWM10      **Ch. 4.2 Weight in the Imperial System**      Assignment

1. Calculate the conversions:

   a. 24 oz.     = _____ lb

   b. 7890 lb.     = _____ tn.

   c. 54 oz.     = ____lb. _____oz.

   d. 6 lb. 2 oz     = _____oz.

   e. 4.54 tn.     = _____lb.

   f. 654oz.     = ___lb. _____oz.

2. What is the total weight, (in pounds and ounces), of six books on a shelf if they weigh 12 oz., 1 lb. 7 oz., 1 lb. 2 oz., 15 oz., 9 oz. and 1 lb. 3 oz.?

3. A bakery uses a recipe for oatmeal cookies that calls for 1 lb. 4 oz. of flour to make 9 dozen cookies. How many ounces of flour are needed to make 3 dozen cookies? (Hint. Set up a proportion).

4. Kris needs to transport 5 slabs of concrete to an apartment work site. If each slab weighs 46 pounds, Kris weighs 195 pounds and the truck weighs 1.5 tons, what is the total weight of the loaded truck in pounds?

5. Harinder is concerned about the weight that paint might add to a delicate structure he built. He estimates that he needs 1.5 gal. of paint and that the structure can withstand 15 lb. of weight. The weight of a particular paint is 9 lb./gal. When it dries, the weight is only 5.4 lb./gal. Can Harinder paint his structure without having it collapse?

6. U-pick organic blueberries sell for $20.00 for a 12-pound box.
   a) How much would 1 pound cost?

   b) How much would 12 ounces cost?

7. What is the true cost per pound of a 10-pound box of oranges if the original price of the box was $12.99 and ¼ of them had to be thrown away because they were mouldy?