

# GMF 10 - Sept. 28

1) Go over any questions from homework...

## PRACTISE YOUR NEW SKILLS

1. Calculate the conversions.

- a) 24 oz = \_\_\_\_\_ lb      b) 7890 lb = \_\_\_\_\_ tn  
 e) 4.54 tn = \_\_\_\_\_ lb      f) 654 oz = \_\_\_\_\_ lb \_\_\_\_\_ oz  
 c) 54 oz = \_\_\_\_\_ lb \_\_\_\_\_ oz      d) 6 lb 2 oz = \_\_\_\_\_ 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?

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  $\frac{1}{4}$  of them had to be thrown away because they were mouldy?

## Chapter 5.2 - Mass in an Imperial System

### PRACTISE YOUR NEW SKILLS, P. 192

1. a) 1.5 lb      b) 3.945 tn  
 c) 3 lb 6 oz      d) 98 oz  
 e) 9080 lb      f) 40 lb 14 oz

2. 6 lb

3.  $6\frac{2}{3}$  oz

4. 3425 lb

5. The paint will weigh 13.5 lb, so Harinder can safely paint the structure.

6. a) \$1.67/lb      b) \$1.25/12 oz

7. \$1.73/lb

2) Copy the following notes...

## Mass in SI System

1000 grams (g) = 1 kilogram (kg)

1000 milligrams (mg) = 1 gram

1 tonne (t) = 1000 kilograms

### NOTES:

- 'kg' is the mass of one litre of water at 4°C
- a tonne (t) IS NOT THE SAME as a ton (tn).
- a tonne is often referred to as a 'metric ton'.

## Converting Mass in SI <-> Imperial

Remember... 1 kg = 2.2 lbs

3) Work on...whatever you do not finish  
**Homework!**

p. 201 #1 - 5

**AND**

Section 5.2 Detailed Solutions.pdf



click here for detailed solutions

5.3 Worksheet - Mass in a SI System.pdf



3)

## Attachments

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Section 5.2 Detailed Solutions.pdf

5.3 Worksheet - Mass in a SI System.pdf