Hw??? 10R 0.2516

7. How many quarter-pound (before cooking) hamburgers can you make from 1.9 kg of ground beef?

$$1.9 \text{ kgx} = \frac{2.2 \text{ lbs}}{1 \text{ kg}} = 4.18 \text{ lbs}$$

of burgers = 4.18

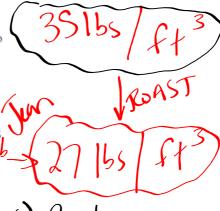


 Coffee is the second most highly traded commodity in the world. Jean owns a coffee shop in Caraquet, NB. He buys fresh fair-trade coffee beans because he knows that this helps protect the coffee farmer's income.

The beans he buys weigh 35 pounds a cubic foot. After he roasts them, they weigh only 27 pounds a cubic foot. He sells his coffee for \$17.95 a pound.

a) What do you think is the most highly traded commodity in the world?

b) Assume that the farmer selling the beans got a market floor price of \$1.35 a pound. If Jean buys 25 cubic feet of coffee beans, and sells it at \$17.95 a pound after roasting, compare the income of the farmer with Jean's selling price.



Farmer

= 875 165 (100 stud)

 $\frac{21165}{545} \times 2564^3 = 67516$ $\int cn^3 = 675 \times 17.95$ = (12/16.25)

PROFIT = 12116-25 - 1181,25 10935.00

Let's make some conversion factors...

1)
$$1 \text{ oz} = 28.49$$
2) $1 \text{ t} = 1.1 \text{ tn}$

$$| kg = 2.2 \text{ lbs} | g = 2.2 \text{ lb$$

EXAMPLE 2:

Mrs. MacAllister is baking apple pies. According to her recipe, she needs 6 pounds of apples. The bag of apples she bought only shows the weight in kilograms. Can you help her out???

Remember... 1 kg = 2.2 lbs

6 | bs = 2.72 kg

NOTE: To <u>estimate</u> a conversion from pounds to kilograms you can think of a pound being about 1/2 kg.

Solution is...

EXAMPLE 3:

The cost of bananas at the Irving is \$0.79/lb, but you see an advertisement advertisement

for bananas on sale at Sobey's for \$1.33/kg. Which is a better

Remember...

SI (metric)...

1 g = 1000 mg 1 kg = 1000 g 1 t = 1000 kg 28.4 g = 1 oz 1 kg = 2.2 lbs 1.1 tn = 1 t **Imperial...**

1 lb = 16 oz 1 tn = 2000 lk **WARM-UP:** Convert the following...

a)
$$56 g = 1.97 \text{ oz}$$

b)
$$120 \text{ lbs} = 54.55 \text{ kg}$$

c)
$$34 \text{ oz} = 965.6 \text{ g}$$

HOMEWORK...

Worksheet - Converting Imp_Metric Masses.pdf

Do even #'s

p. 209 #1 - 4 & 6

Wednesday Quiz... up to here!

SOLUTIONS...

Name : Teacher :				Score :
	Converting	Engli	- h 1 N	
	Converting	⊏ng⊪	sn and N	letric
1) 16.53	pounds	=	7.5	kilograms
2) 0.63	_ ounces	=	18	grams
3) 13.5	pounds	=	6.12	_ kilograms
4) 15	_ ounces	=	425.24	_ grams
5) 35.27	_ pounds	=	16	_ kilograms
6) 12.5	_ pounds	=	5.67	_ kilograms
7) 8	_ ounces	=	226.8	_ grams
8) _0.51	ounces	=	14.5	_ grams
9) 8.82	_ pounds	=	4	kilograms
10) 0.65	ounces	=	18.5	grams
11) 47.4	_ pounds	=	21.5	kilograms
12) 2.5	ounces	=	70.87	grams
13) _0.34	ounces	=	9.5	grams
14) _0.69	ounces	=	19.5	grams
15) 20	pounds	=	9.07	kilograms
16) _17	pounds	=	7.71	kilograms
17) 6.5	pounds	=	2.95	kilograms
18) 15.43	pounds	=	7	kilograms
19) 8.5	ounces	=	240.97	grams
20) 22	ounces	=	623.69	grams
Geometry, Measurement & Finance 10				Math-Aids.Com

5.3 Worksheet - Mass in a SI System.docx

Worksheet - Converting Imp_Metric Masses.pdf