**Detailed Lesson Plan in Mathematics III**

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Grade III-Mabini

Glenn O. Flor

1. OBJECTIVES

At the end of 50-minute discussion, 75% of the pupils should be able to convert kilogram to gram and vice versa.

1. SUBJECT MATTER
2. Topic: Converting Common Units of Mass Measure

Skills: Multiplying and dividing whole numbers by 1000

Weight measure

1. References: Math III T.G. pages 354

L.M. (Math 3) pages 295-299

1. Materials: pictures, illustrations, Manila paper
2. Values: cooperation, alertness
3. PROCEDURE

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| Teacher’s Activity | Pupils’ Activity |
| 1. Preliminary Activities 2. Greetings 3. Opening Prayer 4. Classroom Management 5. Checking of Attendance 6. Checking of Assignment 7. Drill   Let’s have a board work. Solve for the product /quotient of the problem I will give.  Are you ready?   1. Review of the Past Lesson   What was the last lesson that you have learned in conversion?  Let me see if you still remember our lesson that you have learned in conversion. Who wants to solve this problem?  How about this problem? Who wants to solve?  Now, is it already clear to you on how to convert meter to centimetre and vice versa?   1. Motivation   Class, do you know the song “Bahay Kubo”?  What vegetables are mentioned in the song?  Those you have mentioned are just some of the vegetables found in the song “Bahay Kubo”.  Do you eat vegetables?  Which vegetables mentioned in the song do you eat?  Why do we need to eat vegetables?  Very good!   1. Developmental Activities 2. Presenting the Lesson   Class, which is heavier a kilo of guavas or 1000 grams of eggplant?  What instrument will you use to determine the mass of an object?  Correct!  (Teacher will post a picture of weighing scale.)  What can you see in the weighing scale?  What do the smaller lines represent?  Very good!  Let us count the smaller lines starting from 50?  Now, how many grams are there in 1 kilogram?  Very good!  Again, which is heavier a kilo of guavas or 1000 grams of eggplant? Why?   1. Activity   Class, who among you here always wants to go with your mother shopping?  I have here a friend named Liza. Liza told by her mother to go to the market and buy vegetables. But Liza needs our help because she finds it hard to convert kilogram to gram and gram to kilogram.  Let’s help Liza!  (Teacher will present the shopping list of Liza.)   1. Analysis and Discussion   What is the mass of 3 kilograms eggplant in grams?  What operation will you use to change kilogram to gram?  How did you derive with that answer?  Very good!  What is the mass of 2 kilograms of cabbage in grams? How about the beans?  Very good!  Can you show me the solution on the board?  How about the mass of 4000 grams of carrot in kilograms?  What operation will you use to change gram to kilogram?  Can you show me the solution on the board?  What is the mass of the 6000 grams of potatoes in kilograms?  Correct!  Now, Liza has already known the total mass of the vegetables in kilograms and in grams.   1. Generalization   Again, how do you convert kilogram to gram?  How do you convert gram to kilogram?  Very good!   1. Application   ( Teacher will provide materials for the group activity) | Yes teacher!  Find the product  1000 1000 1000  X 12 x 26 x 8  Find the quotient  1000÷18000= ­­­\_\_\_\_  1000÷29000= \_\_\_\_  1000÷34000=\_\_\_\_  The last lesson was all about converting meter to centimetre and vice versa.  An gate kan samuyang harong 5 metro an lakbang. Gurano kalakbang ini sa sentimetro?  Answer: 500 sentimetro  Pirang metro an 23 000 cm?  Answer: 230 meter  Yes teacher!  Yes teacher!  Talong, sitaw, bataw, patani, patola, kalabasa etc.  Yes!  Eggplant!  We need to eat vegetables for us to be healthy and strong.  ( Pupils will think)  A weighing scale.  It has smaller lines.  It represents grams.  (Pupils will count.)  1 kilogram is equal to 1000 grams.  It weighs the same because 1 kilogram is 1000 grams.  (Pupils raise their hands.)  Liza’s Shopping List   * Eggplant 3 kilograms = \_\_\_\_grams * Cabbage 2 kilograms=\_\_\_\_ grams * Beans 5 kilograms=\_\_\_\_grams * Carrots 4000 grams=\_\_\_kilograms * Potatoes 6000=\_\_\_\_ kilograms   The answer 3000 grams.  The operation to be used is Multiplication.  Multiply the number of kilogram by 1000.  Two kilograms of cabbage is 2000 grams. Five kilograms of beans is 5000 grams.  2 kilograms x1000=2000 grams - Cabbage  5 kilograms x1000= 5000 grams – Beans  The answer is 4 kilograms.  The operation to be used is Division.  4000 grams ÷ 1000= 4 kilogram- Carrots  The answer is 6 kilograms.  To convert kilogram to gram multiply the number of kilogram by 1000.  To convert gram to kilogram divide the number of gram by 1000.  Paagi: Isurat ini sa kaparehas na pisar sa gramo/ kilogram.  Group 1   1. 5000 g= 2. 7kg= 3. 9kg=   Group 2  1.4kg=  2. 8000g=  3.10kg=  Group 3   1. 2kg= 2. 11kg= 3. 6000g= |

1. EVALUATION

Simbagon an minasunod sa saindong papel.

1. 3000 g= \_\_\_\_\_\_\_kg
2. 11 kilograms= \_\_\_\_\_\_grams
3. Pirang grams igwa an 100 kg?
4. 33 kilogram an pisada ko. Pirang grams an kaipuhan tanganing maging 35 kilograms?
5. Igwa nin 500 grams na manok, 1,250 grams nab aka dangan 750 grams na sira sa laog nin refrigerator. Pirang kilograms nin karne dangan sira an yaon?
6. ASSIGNMENT Date: 29,2015
7. I-convert sa nakalaag na unit nin measure. Ipahiling an proseso.
8. 19 000 grams=\_\_\_\_\_\_ kilograms
9. 32 000 grams= ­­­­\_\_\_\_\_\_ kilograms
10. 28 kilograms= \_\_\_\_\_\_grams
11. Pirang litro nin tubig an pig-iinom mo oroaldaw? Pira iyan sa mililitro?

Reference: L.M page 299-303