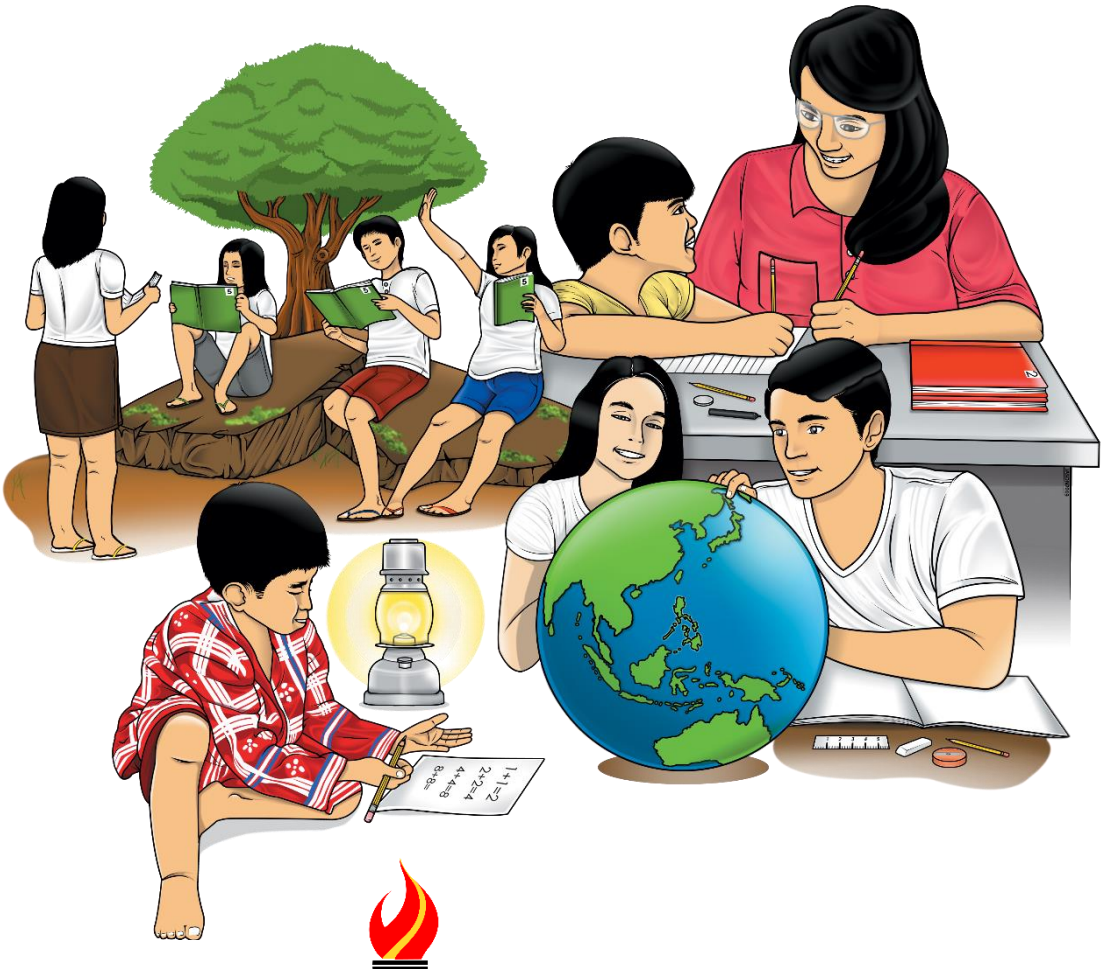
3

Mathematics

Quarter 4 – Module 66 (C): Visualizing, Representing, and Converting Common Units of Measure



ALTERNATIVE DELIVERY MODE
ADM

Department of Education • Republic of the Philippines

Mathematics– Grade 3
Alternative Delivery Mode
Quarter 1 – Module 1: Visualizing Whole Number
First Edition, 2019

Published by the Department of Education
Secretary:
Undersecretary:
Assistant Secretary:

Development Team of the Module

Authors: Name

Editor: Name

Reviewers: Name

Illustrator: Name

Layout Artist: Name

Management Team: Name

Printed in the Philippines by _____

Department of Education – Bureau of Learning Resources (DepEd-BLR) **(Sample)**

Office Address: _____
_____
Telefax: _____
E-mail Address: _____

3

Mathematics

Quarter 4 – Module 66 (C): Visualizing, Representing and Converting Common Units of Measure

This instructional material was collaboratively developed and reviewed by educators from public and private schools, colleges, and or/universities. We encourage teachers and other education stakeholders to email their feedback, comments, and recommendations to the Department of Education at action@deped.gov.ph.

We value your feedback and recommendations.

Department of Education • Republic of the Philippines

Introductory Message

For the facilitator:

(This gives an instruction to the facilitator to orient the learners and support the parents, elder sibling etc. of the learners on how to use the module. Furthermore, this also instructs the facilitator to remind the learners to use separate sheets in answering the pre-test, self-check exercises, and post-test.)

For the learner:

(This communicates directly to the learners and hence, must be interactive. This contains instructions on how to use the module. The structure and the procedure of working through the module are explained here. This also gives an overview of the content of the module. If standard symbols are used to represent some parts of the module such as the objectives, input, practice task and the like they are defined and explained in this portion.)

What I Need to Know

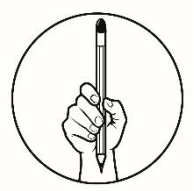
We encounter Mathematics in our daily living. Mathematical skills play a very important role in everyone's lives. One should learn the basic skills of multiplying, adding, and subtracting, dividing and converting numbers.

1. This where you will learn how to convert common units of measure from larger to smaller unit and vice versa (liter and milliliter).

2. You will learn also to multiply and divide whole numbers by 1000.

3. Knows how to get the fractional part of a number.

4. Able to determine the units of capacity.



What I Know(pre-test)

Find the product/ quotient.

1. 10 x 1000 a. 10 000 b. 1000 c. 100 d.10

2. 3000x 20 a. 6000 b. 60000 c. 600 d.60

3. 11x 3000 a. 30 000 b. 31 000 c. 33 000 d. 300

4. 4000/ 2 a. 20 b. 200 c. 30 d. 2000

Find the fractional part.

5. 2/3 of 600 a. 300 b. 400 c. 350 d. 280

Lesson	Visualizes, and represents, and converts common units of measure from larger to smaller unit and vice versa; litre (L) to millilitre (mL)

(Introduction to the lesson)

Lesson Proper/ Setting Up the Phase

https://www.google.com/search?biw=1366&bih=576&tbm=isch&sa=1&ei=s77sXZgLx_jAA-7psJgH&q=girl+measuring+milliliter+of+water&oq=girl+measuring+milliliter+of+water&gs_l=img.3..

Michelle wants to know how many millilitres of water there are in 9 litres of water. She reasoned that since there since there are 1000 mL in a litre, there must be 9000 mL in 9L. Is she right?

What's In

(Review)

Convert the following the correct unit of measure.

1. 19 000 grams=_____kilograms
2. 32 000 grams=_____kilograms
3. 28 kilograms= _____ grams
4. 3 000 grams_____ kilograms
5. 11 kilograms= _____ grams

Notes to the Teacher

(Instruction to the teacher/facilitator)

What's New

(Solving the Problem)

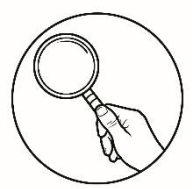
Activity 1

Solution 1:

Solution 2: What operation will you use to change gram to kilogram?

Gram_____kilogram

1000 g= 1000/1000 = 1 kg.

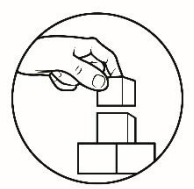


What is It

(Discussion of the Lesson)

In solution 1, converting kilogram to gram, multiply the number of kilogram by 1000.

In solution 2, 20 convert gram to kilogram divide the number of gram by 1000.



What's More *(Drill, Practice Test)*

Activity 2

Try to answer the following problems.

1. A pupil weighs 40 kilograms. How much is it in grams?

2. Teresa bought 5 dozen sachets of 50 grams of powder juice. What is the total weight in grams? In kilograms?

3. You can 1000 of fishes. How many kilograms of fishes do you have?

Activity 3

Answer the following to complete 1 kilogram or 1000 grams.

1. **125g +250 g+250g+_____g =1000 g (1kg)**

2. **50 g +30 g + 240 g+ 70g+150g+ _____ g=1000g (1kg)**

3. **68 g + 240g+232g+134 g+_____ g=1000g (1kg)**

4. **60g+80g+360g+_____g= 1000g(1kg)**

5. **220g+160g+95g+180g+_____ g= 1000g (1kg)**

What I Have Learned

How do you convert kilogram to gram? Gram to kilogram?

- To convert kilogram to gram, multiply the number of kilogram by 1000.
- To convert gram to kilogram, divide the number of gram by 1000.

What I Can Do

Activity 4

Answer the following.

1.3000 grams=_____kg

2. 11 kilograms=_____grams

3. My weight is 33 kilograms, how many grams I need to make it 35 kilograms?

4. There are 500 grams of chicken, 1250 grams of beef, and 750 grams of fish inside the refrigerator. How many kilograms of chicken and beef? The fish?

5.) How many grams are there in 100 kg?

Test Yourself (assessment)

Answer the following.

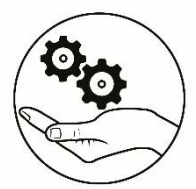
1. 3000 grams = _____ kilograms

2. 11 kilograms = _____ grams

3. 24 000 grams = _____ kilolograms

4. 85 kilogram =_____ grams

5. 214 kilograms = _____ grams



Additional Activities

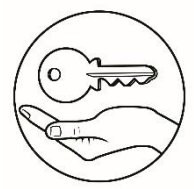
(Activity 5)

Answer the following. Write your solution in a separate sheet of paper.

1. Mother bought ¾ kilogram of onions. How many grams of onions does Mother bought?

2. Nora needs 2 kilograms of rice to cook rice cake. Each pack contains 250 grams of rice in the store. How many packs of rice will she buy? If each pack costs PHP 22, how much will she pay for 2 kilogram?

3. The allowed baggage that can be carried by Elsa in an airplane is only 10 kilograms. Her baggage is 11 500 grams. She has an excess baggage of _____?



Answer Key

Pre test

1. c
2. c
3. b
4. a
5. c

Test Yourself

1. 3 kilograms
2. 11 000 grams
3. 24 kilograms
4. 85 000 grams
5. 44 000 grams

Review

1. 500 cm
2. 3 m
3. 50 cm
4. 25cm
5. 6m

Activity 2

1. 40 000 grams
2. 5x 12= 60x 50g= 3000 3 kg.
3. 1 kg

Activity 3

1. 375 g
2. 460 g
3. 326 g
4. 500 g
5. 345 g

Activity 4

1. 3 kilogram
2. 11 000 grams
3. 24 kilogram
4. 85 000 grams
5. 44 000 grams

Additional Activities

1. ¾ x 1000 = 3000/4 = 750 g
2. 8 package x PHP 22 = PHP 176
3. 1,500 grams or 1 ½ kg

References

Mathematics Teacher's Guide Grade 3 pages 294-297.
Mathematics 3 Learner's Manual pages 278-282.
Mathematics Skill Book 3