



**MATHEMATICS - Grade 2**  
**Quarter 3 - Module 4 Solve Multiplication Problems Using 2, 3, 4, 5 and 10**  
**Multiplication Tables, Including Problems Involving Money**  
**Self-Learning Module (SLM)**  
**MATATAG Curriculum**  
**First Edition, 2025**

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# Introductory Message

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are clearly stated for you to understand each lesson.

Each SLM is composed of different parts. Each part shall guide you step-by-step as you discover and understand the lesson prepared for you.

A Pre-test is provided to measure your prior knowledge on lessons in each SLM. This will tell if you need to proceed on completing this module, or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teachers are also provided to the facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and tests. Read carefully the instructions before performing each task.

If you have any questions in using this SLM or any difficulty in doing the tasks in this module, do not hesitate to consult your teachers or facilitator.

Thank you.

## For the learner

Welcome to the Mathematics - Grade 2 Self-Learning Module (SLM) on Solving Multiplication Problems Using 2, 3, 4, 5 and 10 Multiplication Tables, Including Problems Involving Money!

In this learning resource, you will have the opportunity to enjoy and successfully achieve relevant competencies at your own pace.

This module offers fun and meaningful opportunities for both guided and independent learning. You will engage with the material and become an active participant in your learning journey.

This module has the following parts and corresponding icons:



**What I Need to Know**

This gives you an idea of the skills or competencies you are expected to learn in the module.



**What I Know**

This part includes an activity that aims to check what you already know about the lesson to take. If you get all the answers correctly, you may decide to skip this part.



**What's In**

This is a brief drill or review to help you link the current lesson with the previous one.



**What's New**

In this portion, the new lesson is introduced to you in various ways such as through a story, a song, a poem, a problem opener, an activity or a situation.



**What is It**

This section provides a brief discussion of the lesson. This aims to help you discover and understand new concepts and skills.



**What's More**

This comprises activities for independent practice to concretize your understanding and skills about the topic. You may check the answers to the exercises using the Answer Key at the end of the module.

**What I Have Learned**

This includes questions or blank sentence/ paragraph to be filled in to process what you learned from the lesson.

**What I Can Do**

This section provides an activity which will help you transfer your new knowledge or skill into real life situations or events.

**Assessment**

This is a task which aims to evaluate your level of mastery in achieving the learning competency.

**Additional Activities**

In this portion, another activity is given to you to enrich your knowledge or skill of the lesson learned. It also ensures retention of learned concepts.

**Answer Key**

This contains answers to all activities in the module.

At the end of this module, you will also find:

**References**

This is a list of all sources used in developing this module.

The following are some reminders in using this module:

1. Use the module with care. Avoid unnecessary mark/s on any part of the module. Use a separate sheet of paper in answering the exercises.
2. Answer *What I Know* before moving on to the other activities included in the module.
3. Carefully read the instructions before doing each task.
4. Observe honesty and integrity in doing the tasks and in checking your answers.
5. Finish the task at hand before proceeding to the next.
6. Return this module to your teacher/facilitator once you are through with it.

If you encounter any difficulty in doing the tasks in this module, consult your teacher or facilitator. Always bear in mind that you are not alone. We hope that through this material, you will experience meaningful learning and gain a deep understanding of the relevant competencies.

## For the facilitator

Welcome to the Mathematics Grade 2 Self-Learning Module on Solving Multiplication Problems Using 2, 3, 4, 5 and 10 Multiplication Tables, Including Problems Involving Money!

The Curriculum Implementation Division (CID) through the Learning Resource Management Section (LRMS) launched this module in cooperation with the Division's Teacher Developers, Learning Resource Evaluators (LREs), Information and Technology Officer, and subject matter experts in Mathematics and English. This has been especially developed, quality-assured, and validated to enable you to help the learners overcome their educational obstacles—personal, social, and economic—while meeting the standards outlined in the MATATAG Curriculum.

This learning resource hopes to engage the learners in guided and independent learning activities. It further aims to help them acquire the needed 21<sup>st</sup> century skills while taking into consideration their needs and circumstances.

As a facilitator, you are expected to orient the learners on how to use this module. You also need to keep track of their progress while allowing them to manage their learning. In addition, you are enjoined to encourage and assist the learners as they do the tasks contained in the module.

# MATHEMATICS

Quarter 3 - Module 4

Solve Multiplication Problems Using  
2, 3, 4, 5 and 10 Multiplication Tables,  
Including Problems Involving Money



## What I Need to Know

This module was designed and written with you in mind. It is made to help you comprehend and easily “Solve multiplication problems using 2,3,4,5, and 10 multiplication tables, including problems involving money.” The scope of this module permits it to be used in many different learning situations. The language used recognizes your diverse vocabulary backgrounds. The lessons are arranged to follow the standard sequence of the course but the order in which you read them can be changed to correspond with the Mathematics Grade 2 learning materials you are using.

After going through this module, you are expected to:

- Solve multiplication problems using 2, 3, 4, 5, and 10 multiplication tables, including problems involving money.

# Lesson 1 - Solve Multiplication Problems using 2,3,4,5, and 10 Multiplication Tables, including Problems involving Money



## What I Know

Before we begin, let us see what you already know about solving multiplication problems involving money.

**Directions:** Read and solve the money problems using the 2, 3, 4, 5 and 10 multiplication tables. Write your answer in your notebook.

1. Arlene bought 4 banana chips. Each banana chip costs ₱ 5.00. How much did she spend in total?
  - a. ₱ 20.00
  - b. ₱15.00
  - c. ₱10.00
  - d. ₱5.00
2. There are 3 packs of crayons. Each pack costs ₱10.00 How much do all the packs cost together?
  - a. ₱10.00
  - b. ₱20.00
  - c. ₱30.00
  - d. ₱40.00

3. You buy 5 ice creams. Each ice cream costs ₱4.00.  
How much money do you need?
- a. ₱5.00
  - b. ₱15.00
  - c. ₱20.00
  - d. ₱30.00
4. Your mother gives you ₱2.00 each day for 10 days.  
How much money do you have after 10 days?
- a. ₱50.00
  - b. ₱40.00
  - c. ₱30.00
  - d. ₱20.00
5. A store sells 10 balloons. Each balloon costs ₱3.00.  
How much money will the store earn if all the balloons are sold?
- a. ₱30.00
  - b. ₱40.00
  - c. ₱50.00
  - d. ₱60.00

## Multiplication Tables

$1 \times 1 = 1$   
 $1 \times 2 = 2$   
 $1 \times 3 = 3$   
 $1 \times 4 = 4$   
 $1 \times 5 = 5$   
 $1 \times 6 = 6$   
 $1 \times 7 = 7$   
 $1 \times 8 = 8$   
 $1 \times 9 = 9$   
 $1 \times 10 = 10$

$2 \times 1 = 2$   
 $2 \times 2 = 4$   
 $2 \times 3 = 6$   
 $2 \times 4 = 8$   
 $2 \times 5 = 10$   
 $2 \times 6 = 12$   
 $2 \times 7 = 14$   
 $2 \times 8 = 16$   
 $2 \times 9 = 18$   
 $2 \times 10 = 20$

$3 \times 1 = 3$   
 $3 \times 2 = 6$   
 $3 \times 3 = 9$   
 $3 \times 4 = 12$   
 $3 \times 5 = 15$   
 $3 \times 6 = 18$   
 $3 \times 7 = 21$   
 $3 \times 8 = 24$   
 $3 \times 9 = 27$   
 $3 \times 10 = 30$

$4 \times 1 = 4$   
 $4 \times 2 = 8$   
 $4 \times 3 = 12$   
 $4 \times 4 = 16$   
 $4 \times 5 = 20$   
 $4 \times 6 = 24$   
 $4 \times 7 = 28$   
 $4 \times 8 = 32$   
 $4 \times 9 = 36$   
 $4 \times 10 = 40$

$5 \times 1 = 5$   
 $5 \times 2 = 10$   
 $5 \times 3 = 15$   
 $5 \times 4 = 20$   
 $5 \times 5 = 25$   
 $5 \times 6 = 30$   
 $5 \times 7 = 35$   
 $5 \times 8 = 40$   
 $5 \times 9 = 45$   
 $5 \times 10 = 50$

$10 \times 1 = 10$   
 $10 \times 2 = 20$   
 $10 \times 3 = 30$   
 $10 \times 4 = 40$   
 $10 \times 5 = 50$   
 $10 \times 6 = 60$   
 $10 \times 7 = 70$   
 $10 \times 8 = 80$   
 $10 \times 9 = 90$   
 $10 \times 10 = 100$



## What's In

Great job! Let us move on and learn more.

**Directions:** Read the following questions and use the multiplication tables for 2, 3, 4, 5 and 10 to find the product. Write the correct letter of your answer in your notebook.

1. What is the product of 2 and 3?
  - a. 4
  - b. 5
  - c. 6
  - d. 7
  
2. What is the product of 3 and 3?
  - a. 8
  - b. 9
  - c. 10
  - d. 12
  
3. What is the product if you multiply 5 by 4?
  - a. 10
  - b. 20
  - c. 30
  - d. 40
  
4. If we multiply 2 by 4, what is the product?
  - a. 8
  - b. 10
  - c. 12
  - d. 14

5. What is the product of 2 times 5?

- a. 5
- b. 10
- c. 15
- d. 20



## What's New

Well done! Now, let us explore how to solve problems involving money using multiplication.

### Activity 1

Directions: Answer the following questions. Write your answer in your notebook.

1. How much allowance do your mother or father give you each day? \_\_\_\_\_
2. Do you spend it all, or save some? \_\_\_\_\_
3. Why is it important to save a portion of your allowance? \_\_\_\_\_
4. What do you do with the money you save? Do you spend it carefully? \_\_\_\_\_

## Activity 2

Now you will read the problem.

Lina wants to buy 3 notebooks. Each notebook costs ₱5.00. How much money does Lina need to buy all the notebooks?

**Directions:** Answer the following questions. Write your answer in your notebook.

1. How many notebooks does Lina want to buy?  
\_\_\_\_\_
2. How much does each notebook cost?  
\_\_\_\_\_
3. How much would three notebooks cost if one cost ₱5.00 \_\_\_\_\_
4. Does Lina have enough money to buy the notebooks with ₱10.00? Why?
5. How much does Lina need to buy three notebooks?  
\_\_\_\_\_

**Remember:** In solving a multiplication problem you need to use the four-step plan.

**Step 1:** Understand the problem.

- What is asked in the problem?

*Answer: How much money does Lina need to buy all the notebooks?*

- What are the given facts?

*Answer: 3 notebooks and ₱5.00 cost of each notebooks.*

## Step 2: Plan

- How can you solve the problem?

*Answer: You need to find out how much money Lina needs in total to buy all the notebooks.*

- What operation to be used?

*Answer: Multiplication*

## Step 3: Solve

- Identify the two numbers you need to multiply.

*Answer: Number of notebooks is 3 and cost of each notebook is ₱5.00*

- Write down the multiplication sentence

*Answer: ₱5.00 cost per notebook x 3 notebooks total cost is ₱15.00 or  $5 \times 3 = 15$*

## Step 4: Check

- To check if the answer is correct for a multiplication problem, you can use addition.

*Since multiplication is repeated addition, you can check by adding the cost of each notebook.*

*For example: ₱5.00 + ₱5.00 + ₱5.00 = ₱15.00*

- Do the multiplication again to confirm.

*For example: ₱5.00 × 3 = ₱15.00*

- You can also use the table of multiplication in checking your answer.

$$5 \times 1 = 5$$

$$5 \times 2 = 10$$

$$5 \times 3 = 15$$

$$5 \times 4 = 20$$

$$5 \times 5 = 25$$

$$5 \times 6 = 30$$

$$5 \times 7 = 35$$

$$5 \times 8 = 40$$

$$5 \times 9 = 45$$

$$5 \times 10 = 50$$

Therefore, Lina needs ₱15.00 to buy 3 notebooks, because 3 notebooks at ₱5.00 each cost ₱15.00 in total.



## What is It

Great! Now let us explore deeper into multiplication problem involving money.

**Remember:** To solve multiplication problems using 2,3,4,5, and 10 multiplication tables, including problems involving money follow the 4-step process:

1. **Understand**      What are being asked in the problem?  
  
                                    What are the given facts?
2. **Plan**              What strategies can you use to solve the problem?  
  
                                    What operation to be used?
3. **Solve**             How will you solve the problem?  
  
                                    Write the number sentence.
4. **Check**            How can you check to see if your answer is correct?



## What's More

Great job! Now, let us move on to a more challenging task.

**Directions:** Answer the following questions based on the word problem. Write the letter of the correct answer in your notebook.

A farmer sells 4 baskets of santol. Each basket contains 5 santols. If he earns ₱2.00 for each santol he sells, how much money does the farmer earn from selling all the santols?

1. What should you do first to find the total number of santols?
  - a. Multiply the number of baskets by the number of santols in each basket.
  - b. Add the number of baskets and the number of santols.
  - c. Subtract the baskets from the santols.
  - d. Divide the santols by the baskets.
  
2. How many santols are there in total?
  - a. 4
  - b. 5
  - c. 9
  - d. 20

3. How do you find the farmer's total earnings?
- a. Multiply the total santols by ₱2.00
  - b. Add ₱2.00 to the total santols.
  - c. Subtract ₱2.00 from the total santols.
  - d. Divide the total santols by ₱2.00
4. How much money does the farmer earn?
- a. ₱20.00
  - b. ₱10.00
  - c. ₱8.00
  - d. ₱4.00
5. How can you check if your answer is correct?
- e. Add ₱2.00 for each santol.
  - f. Divide 20 by 2.
  - g. Subtract 5 from 20.
  - h. Multiply the baskets by 5.



## What I have learned

Awesome! You have learned so much today. Now, let us review what you have learned.

**Remember:** In solving multiplication problem involving money we use the four-step plan.

- |               |   |
|---------------|---|
| 1. Understand | What are being asked in the problem?              |
| 2. Plan       | What strategies can you use to solve the problem? |

3. Solve

How will you solve the problem?

4. Check

How can you check to see if your answer is correct?



## What I can do

That is right! You are really mastering our lesson. Now, let us see how much you remember. Let us help Mat and Mara solve their problem about money.

**Directions:** Read the problem and answer the questions below using the 2, 3, 4, 5 and 10 multiplication tables.



Mat and Mara have 3 jars, and each jar has 4 marbles. Each marble is worth ₱2.00. How much is the total cost of all marbles?

1. What is asked in the problem?

---

2. What are the given facts?

---

3. What operation will be used?

---

4. What is the number sentence?

---

5. What is the answer?

---



## Assessment

Very good! You have mastered multiplication problems involving money so well! Now, it is time for the assessment.

**Directions:** Read and solve the money problems using the 2, 3, 4, 5 and 10 multiplication tables. Write your answer in your notebook.

1. Arlene bought 4 banana chips. Each banana chip costs ₱ 5.00. How much did you spend in total?
  - a. ₱ 20.00
  - b. ₱15.00
  - c. ₱10.00
  - d. ₱5.00
2. There are 3 packs of crayons. Each pack costs ₱10.00 How much do all the packs cost together?
  - a. ₱10.00
  - b. ₱20.00
  - c. ₱30.00
  - d. ₱40.00

3. You buy 5 ice creams. Each ice cream costs ₱4.00.  
How much money do you need?
- a. ₱5.00
  - b. ₱15.00
  - c. ₱20.00
  - d. ₱30.00
4. Your mother gives you ₱2.00 each day for 10 days.  
How much money do you have after 10 days?
- a. ₱50.00
  - b. ₱40.00
  - c. ₱30.00
  - d. ₱20.00
5. A store sells 10 balloons. Each balloon costs ₱3.00.  
How much money will the store earn if all the balloons are sold?
- a. ₱30.00
  - b. ₱40.00
  - c. ₱50.00
  - d. ₱60.00



## Additional Activities

Congratulations! You are doing amazing! Now, for your final activity, let us work on the additional tasks.

**Directions:** Read and solve the money problem using the 2, 3, 4, 5 and 10 multiplication tables. Write your answer in your notebook.

Ben wants to buy 4 toy cars. Each toy car costs ₱5.00.  
How much money does Ben need to buy 4 toy cars?

1. What is asked in the problem?

---

2. What are the given facts?

---

3. What operation will be used?

---

4. What is the number sentence?

---

5. What is the answer?

---

# Answer Key

<p><b>What's In</b></p> <p>1. c 2. b 3. b 4. a 5. b</p>	<p><b>What I know</b></p> <p>1. a. ₱20.00 2. c. ₱30.00 3. c. ₱20.00 4. d. ₱20.00 5. a. ₱30.00</p>
<p><b>What I can do</b></p> <p>1. The total cost of all the marbles. 2. 3 jars, 4 marbles, ₱2.00 3. Multiplication 4. <math>3 \times 4 \times 2 =</math> 5. The total cost of marbles is ₱24.00 (3 jars x 4 marbles x ₱2.00 = ₱24.00)</p>	<p><b>What's New</b></p> <p><b>Activity 1:</b> (Answers may vary from the learner's answer)</p> <p><b>Activity 2:</b></p> <p>1. Lina wants to buy 3 notebooks. 2. Each notebook costs ₱5.00. 3. The total cost of 3 notebooks is ₱15.00. 4. No, Lina does not have enough money to buy the notebooks because the total cost of the notebooks is ₱15.00, and she only has ₱10.00. She is short by ₱5.00. 5. Lina needs ₱15.00 to buy 3 notebooks.</p>
<p><b>Assessment</b></p> <p>1. a. ₱20.00 2. b. ₱30.00 3. c. ₱20.00 4. d. ₱20.00 5. a. ₱30.00</p>	<p><b>What's More</b></p> <p>1. a 2. d 3. a 4. a 5. a</p>
<p><b>Additional Activities</b></p> <p>1. How much money Ben needs to buy all 4 toy cars. 2. 4 toy cars and costs ₱5.00 3. Multiplication 4. <math>4 \times 5 =</math> 5. Ben needs ₱20.00</p>	

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## DISCLAIMER

This Self-learning Module (SLM) in **MATHEMATICS 2- Quarter 3 - Module 4** titled **“Solve Multiplication Problems Using 2, 3, 4, 5 and 10 Multiplication Tables, Including Problems Involving Money”** was developed by SDO Tacurong with the primary objective of preparing for and addressing the demands of the MATATAG Curriculum. Contents of this module were based on DepEd’s Learning Competencies anchored on the MATATAG Curriculum. This is a supplementary material to be used by all learners of Tacurong City in all public schools beginning SY 2024-2025. The process of LR development was observed in the production of this module. This is version **1.0**. We highly encourage feedback, comments, and recommendations.

For inquiries or feedback, please write or call:

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