MATHEMATICS
Quarter 1 - Module 7
Determine the Place Value of a Digit in a 3-Digit Number

SELF-LEARNING MODULE

DEPARTMENT OF EDUCATION - SOCCSKSARGEN

MATHEMATICS - Grade 2
Quarter 1 - Module 7 Determine the Place Value of a Digit in a 3-Digit Number
Self-Learning Module (SLM)
MATATAG Curriculum
First Edition, 2025

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 Determining the Place Value of a Digit in a 3-Digit Number!

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 Determining the Place Value of a Digit in a 3-Digit Number!

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 21st 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.

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MATHEMATICS
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What I Need to Know

The module contains lessons on:

Lesson 1 - The place value of a digit in a 3-digit number,

Lesson 2 - The value of a digit and the digit of a number, given its value

After going through this module, you are expected to determine:

1. the place value of a digit in a 3-digit number
2. the value of a digit and
3. the digit of a number, given its value

Lesson 1 - Place Value of a Digit in 3-Digit Number

What I Know

Directions: Answer the following questions. Write the letter of the correct answer on your answer sheet.

1. What is the place value of 5 in 365?
   a. ones
   b. tens
   c. hundreds
   d. thousands

2. In 125, what is the place value of 1?
   a. ones
   b. tens
   c. hundreds
   d. thousands

3. In the number 248, which digit represents the tens place?
   a. 0
   b. 2
   c. 4
   d. 8

4. What is the place value of the underlined digit 2<u>7</u>9?
   a. ones
   b. tens
   c. hundreds
   d. thousands

5. Which number has a "5" in the tens place?
   a. 253
   b. 510
   c. 641
   d. 530

What's In

Write the position of the letters using ordinal numbers.

   1. Aa - _____

   2. Ff - _____

   3. Mm - _____

   4. Pp - _____

   5. Tt - _____

What's New

Let us explore the world of numbers! Did you know that each digit in a number has a special place and value?

Guess the riddle.

> I am a three-digit number.
>
> I have 4 in the hundreds place,
>
> I have 5 in the tens place, and
>
> I have 6 in the ones place.
>
> What number am I?

What is It

Get ready! Let us now start to learn about place value.

We use the word digit to talk about any number from 0 to 9.

3-digit numbers are those numbers that consist of only 3 digits. They start from 100 and go on till 999.
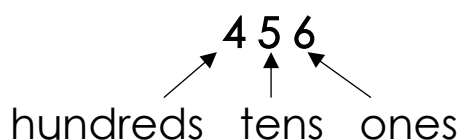
Examples of 3-digit numbers are: **263, 570, and 839**

Each digit in a number has something called a **"place value"**

Place value tells us the value of each digit in a given number.

In a three-digit number, there are three place values used – hundreds, tens, and ones.

The last digit of any whole number always goes in the ones column.

4 5 6

hundreds tens ones

Study the place value chart.

Place Value Chart			
Number	hundreds	tens	ones
456	4	5	6

What's More

Keep going! Try a few more examples.

Activity 1. Complete the sentences below.

1. In 379, there are ___ hundreds, ___ tens, and ___ ones.

2. 621 have ___ hundreds, ___ tens, and ___ ones.

3. There are ___ hundreds, ___ tens, and ___ ones in 635.

Activity 2. Write the place value of the underlined number.

4. 22<u>3</u> -   _____

5. <u>3</u>69 -   _____

 What I have learned

Fill in the missing word in each sentence. Choose your answer from the box.

place value		tens
hundreds	ones	digit

1. _____ is another word for a number.

2. _____ tells us the value of each digit in a

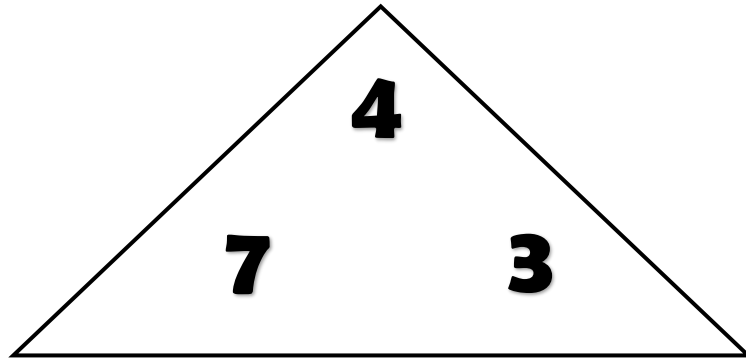given number through the use of place value chart.

The place values used in a three-digit number are

3. _____, 4. _____, and

5. _____.

What I can do

Form a 3-digit number using numbers inside a triangle and arrange them in a proper column.

```
        4

    7       3
```

Number	hundreds	tens	ones
Example:			
347	**3**	**4**	**7**
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

Assessment

Directions: Write the place value of the underlined digit.

Number	Place Value
1. 24<u>7</u>	
2. 5<u>6</u>3	
3. <u>8</u>41	
4. <u>4</u>20	
5. 3<u>5</u>9	

Additional Activities

Write the numbers in a place value chart.

Number	hundreds	tens	ones
1. 902			
2. 124			
3. 210			
4. 344			
5. 806			

Lesson 2 - The Value of a Digit

What I Know

What is the value of the underlined digit? Match Column A and Column B. Write the letter of the correct answer.

Column A	Column B
_____ 1.) 34<u>2</u>	a. 2
_____ 2.) 5<u>1</u>5	b. 3
_____ 3.) <u>7</u>64	c. 10
_____ 4.) 1<u>6</u>8	d. 60
_____ 5.) 45<u>3</u>	e. 100
	f. 700

What's In

Write the 3-digit numbers given its place value.

1. 3 hundreds, 3 tens and 4 ones   _____

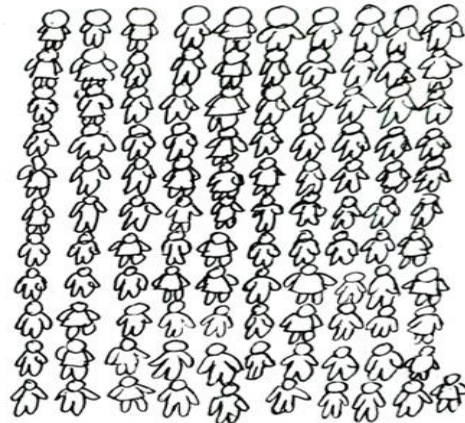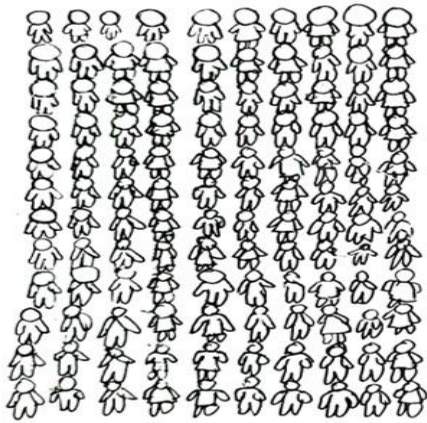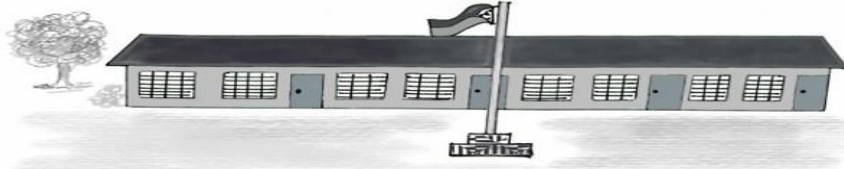2. 4 hundreds, 4 tens and 5 ones   _____

3. 5 hundreds, 4 tens and 6 ones   _____

4. 6 hundreds, 3 tens and 7 ones   _____

5. 8 hundreds, 9 tens and 3 ones   _____

What's New

There are 249 Grade Two pupils enrolled in New Isabela Central Elementary School for School Year 2024-2025. 143 are boys and 116 are girls.

Answer the following questions:

How many Grade Two pupils are enrolled in New Isabela Central Elementary School?

How many are girls?

How many are boys?

How many digits are there in the total number of Grade Two pupils?

![A boy reading a book] **What is It**

How do we determine the value of a digit in a number?

To determine the value of digits in a number is to write the digits in their places on a place value chart. The column name will show the digit's place.

The value of each digit in a given number depends on its position or place.

Example:
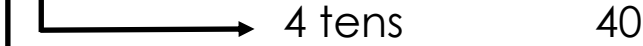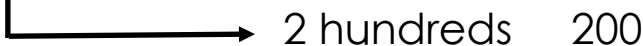
Number	hundreds	tens	ones
249	200	40	9

For the number 249, the 2 is in the hundreds place, which means its value is 2 hundreds or **200.**

The digit **4** is in the tens place, so its value is 4 tens or **40.**

The digit **9** is in the ones place, so its value is simply **9**

Study the illustration below.

Number   Digit Value
  2 4 9
         → 9 ones   9
         → 4 tens   40
         → 2 hundreds   200

200 + 40 + 9 = 249

💡 What's More

Activity 1. Answer the following questions.

    1. What is the value of **8** in **128**?   _____

    2. In **462**, what is the value of **4**?   _____

    3. What digit has a value of **30** in 435?   _____

Activity 2. Write the value of each digit.

    4. 546 = _____ + _____ + _____

    5. 673 = _____ + _____ + _____

💡 What I have learned

Fill in the missing word in each sentence. Choose your answer from the box.

value	position
digit's place	write digit

    To determine the (1)_____ of digits in a number is to (2) _____ the digits in their places on a place value chart. The column name will show the (3) _____.

    The value of each (4) _____in a given number depends on its (5) _____ or place.

What I can do

Write the numbers in the corresponding place value and the value of each digit.

Number	Place Value			Value		
	hundreds	tens	ones	hundreds	tens	ones
732	7	3	2	700	30	2
115						
825						
413						
209						
711						

Assessment

Answer the following questions. Write the letter of the correct answer on your answer sheet.

1. What is the value of the digit 5 in the number 523?
   a. 5
   b. 50
   c. 500
   d. 5,000

2. Which digit represents the hundreds place in the number 381?
   a. 1
   b. 3
   c. 8
   d. None of the above

3. What is the value of the digit 7 in the number 274?
   a. 7
   b. 70
   c. 700
   d. 7,000

4. In the number 649, what is the value of the digit in ones place?
   a. 0
   b. 9
   c. 90
   d. 900

5. Which of these numbers has a value of 30 in the tens place?
   a. 123
   b. 132
   c. 213
   d. 312

![book icon] Additional Activities

Write the number that is represented by the following expanded form.

1. 100 + 50 + 2 = _____

2. 800 + 30 + 9 = _____

3. 900 + 40 + 2 = _____

4. 6 hundreds + 4 tens + 3 ones = _____

5. 7 hundreds + 2 tens + 0 ones = _____

Answer Key

Lesson 1

What I Have Learned
1. Digit
2. Place Value
3. Ones
4. tens,
5. hundreds

What's More
1. 3, 7, 9
2. 6, 2, 1
3. 6, 3, 5
4. Ones
5. hundreds

What's In
1. 1st
2. 6th
3. 13th
4. 16th
5. 20th

What I Know
1. a
2. c
3. c
4. b
5. a

What's New   456

Additional Activities

Number	Hundreds	tens	ones
1. 902.	9	0	2
2. 124	1	2	4
3. 210	2	1	0
4. 344	3	4	4
5. 806	8	0	6

Assessment
1. ones
2. tens
3. hundreds
4. hundreds
5. tens

What I Can Do   Answers may vary

473	3	7	4	3
743	3	4	7	3
734	4	3	7	4
347	7	4	3	7
437	7	3	4	7

Lesson 2

What I Have Learned
1. value
2. write
3. digit's place
4. digits
5. position

What's More
1. 8
2. 400
3. 3
4. 500+40+6
5. 600+70+3

What's In
1. 334
2. 445
3. 546
4. 637
5. 893

What I Know
1. a
2. c
3. f
4. d
5. b

Additional Activities
1. 152
2. 839
3. 942
4. 643
5. 720

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

What I Can Do

Number	Place Value			Value		
	hundreds	tens	ones	hundreds	tens	ones
732	7	3	2	700	30	2
115	1	1	5	100	10	5
825	8	2	5	800	20	5
413	4	1	3	400	10	3
279	2	7	9	200	70	9
760	7	6	0	700	60	0

References

Belarmino, M. J. (2020). Mathematics 2 Module 2 Isa, Dalawa, Tatlo-Magbilang Tayo Pwesto Ko, Kilalanin Mo. In *Self Learning Module.* Koronadal City: Department of Education SOCCSKSARGEN Region.

Bertuldo, S. M. (2013). *Mathematics 2 Kagamitan ng Mag-aaral.* Pasig City: Vibal Publishing House, Inc.

Place value | place, place value and face value | Grouping the digits. (n.d.). Math Only Math. https://www.math-only-math.com/place-value.html#google_vignette

DISCLAIMER

This Self-learning Module (SLM) in **MATHEMATICS 2 Quarter 1 Module 7** titled **"Determining the Place Value of a Digit in a 3-Digit Number"** 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.