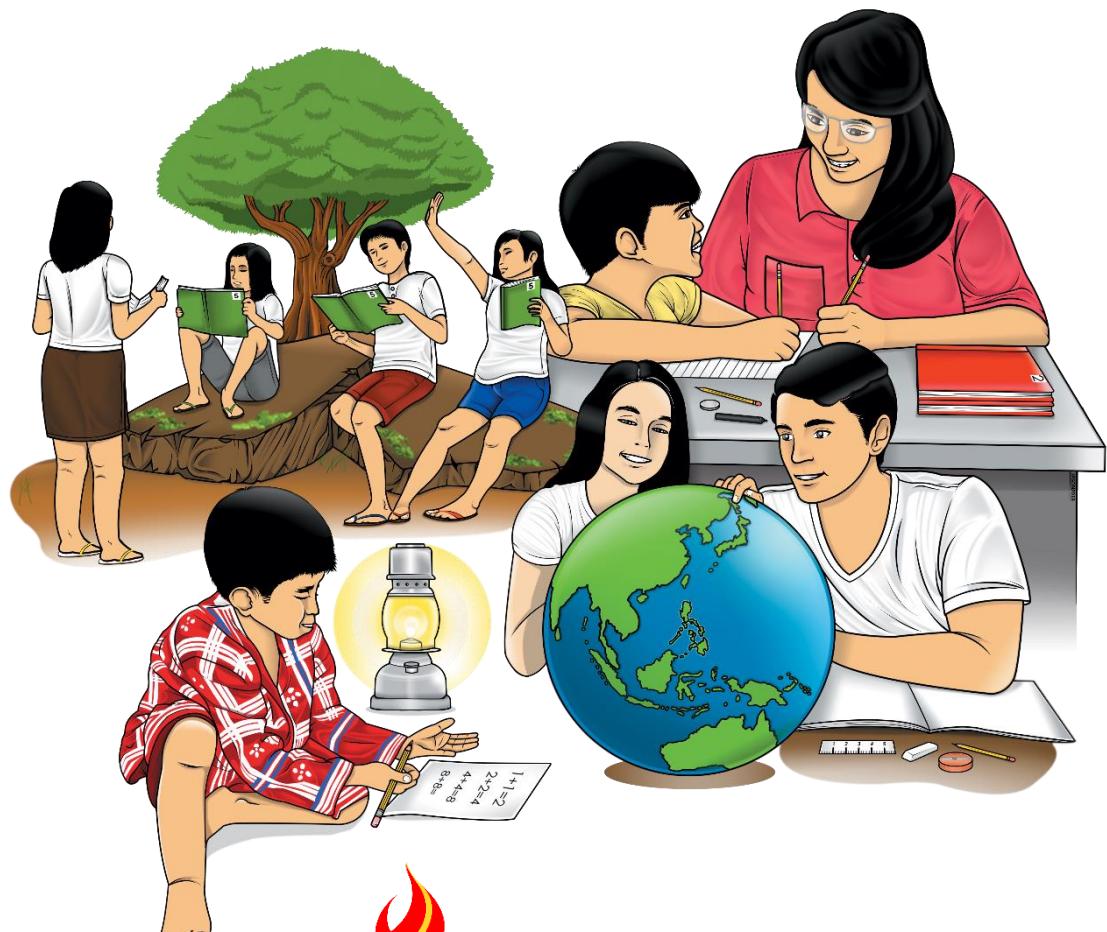


Mathematics

Quarter 1 – Module 2: Giving the Place Value and Value of a Digit



Mathematics – Grade 3

Alternative Delivery Mode

Quarter 1 – Module 2: Giving the Place Value and Value of a Digit

First Edition, 2020

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Published by the Department of Education

Secretary: Leonor Magtolis Briones

Undersecretary: Diosdado M. San Antonio

Development Team of the Module

Author: Ava Trocio

Editors: Arnel S. Zaragosa, Jeremias C. Ceniza, Gina F. Silvestre, Ph.D., Elma C. Prudente, Annie Fel Lingatong, Edgardo Dondon S. Lorenzo, Ailyn V. Ponce

Reviewers: Helen C. Ugay, Emily A. Paller, Bryan Ephraem E. Miguel

Carolyn M. Arado, Mike M. Leopardas, Menard M. Arenas

Illustrators: Dennis Macaubos, Alfie Valenteros, Christian Loyd Alfuerto, Pit Ybanez

Layout Artist: Menard M. Arenas

Management Team: Allan G. Farnazo

Alona C. Uy

Mary Jeanne B. Aldeguer

Maria Gina F. Flores

Analiza C. Almazan

Arnel S. Zaragosa

Ma. Cielo D. Estrada

Jeremias C. Ceniza

Maria Liza I. Berandoy

Illuminado T. Boiser

Printed in the Philippines by _____

Department of Education – Region XI

Office Address: F. Torres St., Davao City

Telefax: (082) 291-1665; (082) 221-6147

E-mail Address: region11@deped.gov.ph * lrms.regionxi@deped.gov.ph

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Mathematics

Quarter 1 – Module 2: Giving the Place Value and Value of a Digit

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 carefully 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.

Pre-tests are provided to measure your prior knowledge on lessons in each SLM. This will tell you 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 Teacher are also provided to our 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. And read the instructions carefully before performing each task.

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

Thank you.



What I Need to Know

This module was designed and written with you in mind. It is here to help you identify the place value and value of a digit in a number. 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 3 learning materials you are using.

After going through this module, you are expected to:

1. write the place value and value of each digit in 4 – to a 5-digit number.

Enjoy your journey. Good luck!



What I Know

Complete the table. Write the place value and the value of each number.

A. 6 587

Digit	Place Value	Value
6		
5		
8		
7		

B. 12 483

Digit	Place Value	Value
3		
8		
4		
2		
1		

Lesson

Gives the Place Value and Value of a Digit in 4 – 5 Digit Numbers

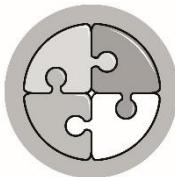
Look at the picture below, search for the five numbers on the face of the child.



Form the smallest and biggest numbers using the five numbers you can find on the face of the child.

1. smallest five-digit number _____

2. biggest five-digit number _____



What's In

A. Using the number discs presented, you identify the number being given. Choose the letter of the correct answer. Write the letter of the correct answer in the blank provided.

_____ 1.

10 000	1 000	100	100	10	1	1
10 000	1 000	100	100	10	1	1
1 000	100	100	100	10	1	1

A. 25 688 B. 24 458 C. 23 658 D. 2 366

2.

10 000	1 000	100	10	1
10 000	1 000	100	10	1
10 000	1 000	100	10	1
10 000	1 000	100	10	1
10 000	1 000	100	10	1
	1 000		10	1
		1 000	10	1

A. 54 376 B. 45 376 C. 45 276 D. 44 376

B. Write the numerals being presented in each item below.

a. 1 thousands, 6 hundreds, 5 tens, 3 ones = _____

b. 2 thousands, 7 hundreds, 2 tens, 7 ones =

c. 3 thousands, 3 hundreds, 8 tens, 1 ones =

d. 4 thousands, 5 hundreds, 7 tens, 4 ones =

e. 1 thousands, 2 hundreds, 4 tens, 8 ones =



What's New



During the Pujada Bay Festival, Jose joined in the banca race as a representative of their barangay. He finished 1st place after the race and got a cash prize of Php 32 495. The cash prize is presented to you in a place value chart.

Place Value Chart

Ten Thousands	Thousands	Hundreds	Tens	Ones
3	2	4	9	5

In 32 495:

The digit 3 is in the ten thousands place. Its value is 30 000.

The digit 2 is in the thousands place. Its value is 2 000.

The digit 4 is in the hundreds place. Its value is 400.

The digit 9 is in the tens place. Its value is 90.

The digit 5 is in the ones place. Its value is 5.

In expanded form:

$$\begin{array}{ccccc}
 3 \times 10\,000 & 2 \times 1\,000 & 4 \times 100 & 9 \times 10 & 5 \times 1 \\
 \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\
 \text{Value:} & & & & \\
 30\,000 & 2\,000 & 400 & 90 & 5
 \end{array}$$

Activity 1

Write the place value and value of the digits in each number.

A. 3 745

Digit	Place Value	Value
3		
7		
4		
5		

B. 78 321

Digit	Place Value	Value
7		
8		
3		
2		
1		



What is It

In identifying the place value of a 4- to 5-digit number, you need to memorize the order of place value of the digits from right to left, namely: ones, tens, hundreds, thousands, and ten thousands. The place value can be extended to the left depending on the number of digits.

Example:

42 587

thousands
ten thousands
hundreds
tens
ones

In the example above, we can say that the place value of the following digits are as follows:

- 7 - ones,
- 8 - tens,
- 5 - hundreds,
- 2 – thousands, and
- 4 - ten thousands.

To identify the value of the digits in a number, you need to multiply the digit to its corresponding place value. Below is an example of finding the value of the digits using the 5-digit number, given in the previous example.

<u>Numeral</u>	<u>Digit</u>	<u>Place Value</u>	<u>Value</u>
42 587	7	ones	$7 \times 1 = 7$
	8	tens	$8 \times 10 = 80$
	5	hundreds	$5 \times 100 = 500$
	2	thousands	$2 \times 1 000 = 2 000$
	4	ten thousands	$4 \times 10 000 = 40 000$

Therefore, the value of the digits are as follows:

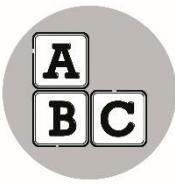
- 7 → 7
- 8 → 80
- 5 → 500
- 2 → 2 000
- 4 → 40 000

Here is another example using a 4-digit number.

<u>Numeral</u>	<u>Digit</u>	<u>Place Value</u>	<u>Value</u>
8 024	4	ones	$4 \times 1 = 4$
	2	tens	$2 \times 10 = 20$
	0	hundreds	$0 \times 100 = 0$
	8	thousands	$8 \times 1 000 = 8 000$

Therefore, the value of the digits are as follows:

- 4 → 4
- 2 → 20
- 0 → 0
- 8 → 8 000



What's More

Activity 2

Write the place value that digit 6 holds.

1. 47 546 _____
2. 65 408 _____
3. 76 325 _____
4. 89 641 _____
5. 90 768 _____

Activity 3

Write the place value and the value of the underlined digit.

	Place Value	Value
1. 67 <u>4</u> 35	_____	_____
2. <u>8</u> 9 710	_____	_____
3. 56 <u>4</u> 31	_____	_____
4. 9 <u>0</u> 164	_____	_____
5. 23 79 <u>3</u>	_____	_____



What I Have Learned

How to give the place value and value of a 4-and 5-digit number?

- In identifying the place value of a 4- to 5-digit number, you need to memorize the order of place value of the digits from right to left, namely: ones, tens, hundreds, thousands, and ten thousands.
- To identify the value of the digits in a number, you need to multiply the digit to its corresponding place value; 1 (ones), 10 (tens), 100 (hundreds), 1 000 (thousands) and 10 000 (ten thousands).



What I Can Do

Activity 4

You use the digits **3, 4, 5, 6, and 7** only once for problems 1 to 4.

1. Write the greatest 5-digit number possible with 5 in the thousands place.
2. Write the least 4-digit number possible with 7 in the hundreds place.
3. Write the greatest 5-digit number possible with 4 in the ten thousands place.
4. Write the least 5-digit number possible with 3 in the tens place.



Assessment

Complete the table. Write the place value and the value of the digit in each number.

A. 82 659

Digit	Place Value	Value
9		
5		
6		
2		
8		

B. 4 579

Digit	Place Value	Value
4		
5		
7		
9		



Additional Activities

Activity 5

Place Value Detective. Do as I say.

1. Circle the digit in the tens place. 2 345
2. Circle the digit in the ten thousands place.
45 678
3. Create a number with 1 in the thousands place. _____
4. Create a number with 7 in the ones place and 1 in the hundreds place. _____





Answer Key

References

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For inquiries or feedback, please write or call:

Department of Education - Bureau of Learning Resources (DepEd-BLR)

Ground Floor, Bonifacio Bldg., DepEd Complex
Meralco Avenue, Pasig City, Philippines 1600

Telefax: (632) 8634-1072; 8634-1054; 8631-4985

Email Address: blr.lrqad@deped.gov.ph * blr.lrp@deped.gov.ph