4

Mathematics 4

Microlearning Module

QUARTER 1 – Module 10

Comparing Numbers up to 1 000 000 Using =, < and >.

Microlearning Module

REGION XII - DIVISION OF SULTAN KUDARAT

GOVERNMENT PROPERTY
NOT FOR SALE

Mathematics 4
Microlearning Module (MLM)
Quarter 1 – Module 10: Comparing Numbers up to 1 000 000 Using =, < and >.
First Edition, 2024

Republic Act 8293, Section 176 states that “No copyright shall subsist in any work of the Government of the Philippines.” However, obtaining prior approval from the government agency or office where the work originated is required for the commercial use of such work. This agency or office may, among other things, impose as a condition the payment of royalties.

Materials borrowed for this module (e.g., songs, stories, poems, images, brand names, trademarks, etc.) are the property of their respective copyright owners. The publisher and authors do not assert ownership or representation over them.

Published by the Department of Education- RO XII, Division of Sultan Kudarat

Writer	**:**	Bebit S. Centina
Editor	**:**	Roger B. Famulag
Evaluator	**:**	Gaudeser R. Pacete
Cover Art Designer:		Jann Mark P. Oriel
Management Team:		Crispin A. Soliven Jr., CESE – Schools Division Superintendent
		Meilrose B. Peralta EdD – Asst. Schools Division Superintendent
		Ismael M. Ambalgan –Chief,
		Sheryl L. Osano – EPS, LRMS
		Rodolfo B. Bermudo Jr. EdD – EPS, Mathematics

Printed in the Philippines by

Department of Education – Region XII, Division of Sultan Kudarat

Office Address: Kenram, Isulan, Sultan Kudarat
Telefax: 064-471-1007
E-mail Address: depedsk.r12@deped.gov.ph

MICROLEARNING MODULE

Name: _____Grade & Sec: _____ Score: _____
Subject: Mathematics Quarter: 1 MLM No. 10
Teacher: _____
Competency: Compare numbers up to 1 000 000 using =, < and >

A. Look Back!

Write the place value and value of the underlined digit in each number.

	Place Value	Value
1. 2<u>3</u>1 384		
2. 159 63<u>1</u>		
3. <u>4</u>64 965		
4. 89<u>7</u> 438		
5. 764 <u>8</u>92		

B. What's New?

Today, you are going to learn about comparing numbers up to 1 000 000 using relation symbols >, <, and =.

Read the problem below.

Source: *https://www.shutterstock.com/imagephoto/fresh-nile-tilapia-fish-basket-1154654683*

Tilapia Harvest

Mang Tony is a fisherman. Yesterday, he harvested 17 845 kilograms of Tilapia, and today he harvested 17 546 kilograms of Tilapia. Which day did he harvest more?

Questions:

1. How many kilograms of Tilapia were harvested yesterday?
2. How many kilograms of Tilapia are harvested today?
3. What is asked in the problem?
4. When did he harvest less?
5. How will you find the answer to the problem?

6. What kind of person is Mang Tony?

C. What Is It?

We compare numbers to determine which number is greater, less, or equal using relation symbols, such as greater than (>), less than (<), and equal to (=).

How do we determine which number is greater than, less than, or equal to? Follow the steps below to find out.

STEPS IN COMPARING TWO NUMBERS

1. Align the digits with the same place value.

   Example: 172 546 and 172 845

$$\left.\begin{matrix}172\ 546\\172\ 845\end{matrix}\right\}\ \text{align}$$

2. Compare the digits in each place value starting from the left. The first pair of digits with different values will determine which number is greater or less.

STEP 1	**STEP 2**	**STEP 3**	**STEP 4**
Compare the digits in the hundred thousands place. **1**72 546 **1**72 845 The same digits are in the hundred thousands place.	Compare the digits in the ten thousands place. 1**7**2 546 1**7**2 845 The same digits are in the ten thousands place.	Compare the thousands place. 17**2** 546 17**2** 845 The same digits are in the thousands place.	Compare the digits in the hundreds place. 17 **5**46 17 **8**45 Since 8>5, therefore **172 845 > 172 545**

Below are important terminologies, notations, and symbols that you must learn and remember about comparing numbers using relational symbols.

The symbol **>** is read as "is greater than" and is used when the number on the left is larger than the digit on the right.

Examples: a. 24 354 > 24 205

b. 174 385 > 171 493

The symbol **<** is read as "is less than" and is used when the number on the left is less than the number on the right.

Examples: a) 79 674 < 79 789

b) 124 583 < 130 002

The symbol = is read as " is equal to" or "equals" and is used when the number on the left is of the same value as the number on the right.

Examples a) 4 273 = 4 000 + 200 + 70 + 3

b) 25 650 = 20 000 + 5 000 + 600 +50

D. Let's try!

Activity 1.

Write >, <, or = on the blank between the numbers to make each mathematical statement true.

a. 19 502_____18 409

b. 410 200_____410 500

c. 361 050_____369 007

d. 821 305_____811 425

e. 512 125_____512 550

Activity 2.

Read each question carefully, and encircle the letter of the correct answer.

1. Which is the least number?

a. 44 962 b. 44 692 c. 44 629 d. 44 206

2. Which number is equal to 20 000 + 1 000 + 200 + 80 + 7?

a. 21 394 b. 21 287 c. 21 380 d. 21 278

3. Which number is the greatest?

a. 46 408 b. 46 225 c. 46 842 d. 46 482

4. Which number is less than 23 475?

a. 23 547 b. 23 775 c. 23 457 d. 23 757

5. Which number is equal to four hundred eighty-one thousand, nine hundred sixty-two?

a. 481 962 b. 481 900 c. 481 992 d. 480 962

E. Let's Evaluate

Write >, < or = in the box.

1. 56 132 ☐ 56 123
2. 34 567 ☐ 30 000 + 4 000+ 500 + 60 + 7
3. 7 023 ☐ 7 921
4. 189 930 ☐ 100 000 + 80 000 + 9 000 + 800 + 30 + 0
5. 120 849 ☐ 121 849
6. 13 485 ☐ 15 684
7. 21 856 ☐ 11 426
8. 10 168 ☐ 10 148
9. 42 384 ☐ 42 384
10. 21 423 ☐ 21 415

Challenge!

Read the numbers from top to bottom in each column (⬇) and from left to right (➡)in each row. Then rearrange the digits to form the greatest or the least possible number in the row or column.

	A	B	C	D	E	F
G	2	3	5	9	6	4
H	7	8	4	3	2	1
I	9	3	2	6	5	4
J	8	0	0	4	6	3
K	4	3	5	8	9	6
L	9	0	7	8	2	1

Greatest	Least
A _____	B. _____
C. _____	D. _____
E. _____	F. _____
G. _____	H. _____
I. _____	J. _____
K. _____	L. _____

F. References

Cabatac Lerma S., Marnelle M. Collado, Genevie C. Areno, Gina M. Hallig, Remia B. Barrida, Gloria L. Pabalinas, Dalia R. Andatuan, Jane D. Solon, Christine V. Tonogbanua, Mebelyn O. Aguring, Agnes Y. Basco, Donessa Y. Lorenton, Loreta T. Borja, Ma. Fabiana S. Rojas, and Jeonalyn C. Diendo.2020. *Self Learning Module Grade 4 Quarter 1 Module 1*. Koronadal City: DepEd SOCCSKSARGEN.

Chingcuangco, Ofelia G. 2019.*Soaring High with Mathematics 4.* Quezon City: Saint Matthew Publishing

Villamayor Adela C., Amelia Celeridad-Wright. 2006. *Math for Life 4*. Manila: Rex Book Store

DISCLAIMER

This Microlearning Module has been developed by DepEd - Division of Sultan Kudarat for educational purposes only. It is designed to supplement classroom instruction and should not be used as the sole source of information. Teachers are encouraged to exercise their professional discretion and tailor the content to suit their students' individual needs.

This resource is the exclusive property of DepEd-Division of Sultan Kudarat and is accessible to enrolled learners solely for academic purposes, at no cost. Any reproduction or conversion of this material in any form is strictly prohibited.

REGION XII - DIVISION OF SULTAN KUDARAT

Math4_Q1_LC10

ANSWER KEY

A. Look Back!

	Place Value	Value
1. 2<u>3</u>1 384	Ten thousands	30 000
2. 159 63<u>1</u>	Ones	1
3. <u>4</u>64 965	Hundred thousands	400 000
4. 89<u>7</u> 438	Thousands	7 000
5. 764 <u>8</u>92	Hundreds	800

D. Let's try.

Activity 1

1. >
2. <
3. <
4. >
5. <

Activity 2

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

E. Let's Evaluate

1. >
2. =
3. <
4. >
5. <
6. <
7. >
8. >
9. =
10. >

Challenge

Greatest	Least
A. 998 742	B. 300 338
C. 755 420	D. 346 889
E. 966 522	F. 113 446
G. 965 432	H. 123 478
I. 965 432	J. 300 468
K. 986 543	L. 102 789