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Mathematics

Quarter 1 - Module 5:
Comparing Numbers

Department of Education • Republic of the Philippines

Mathematics – Grade 4
Alternative Delivery Mode
Quarter 1 - Module 5: Comparing Numbers
First Edition, 2020

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Published by the Department of Education – Division of Valencia City
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Printed in the Philippines by:
Department of Education - Division of Valencia City
Office Address: Lapu-lapu Street, Poblacion, Valencia City 8709
Telefax: (088) 828-4615
Website: deped-valencia.org

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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 region10@deped.gov.ph.

We value your feedback and recommendations.

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What This Module is About

This module is an extension of the lessons on whole numbers you have learned in the previous grades. It provides you with opportunities and extend your knowledge and skills in comparing whole numbers.

What I Need to Know

In this module, you will enjoy working with numbers specially on comparing them. When you compare numbers you will be able to identify which is smaller and greater numbers.

After going through this module, you are expected to compare whole numbers up to 100 000, use symbols in comparing two numbers up to 100 000 and identify smaller and greater numbers.

I hope that you will learn a lot today.

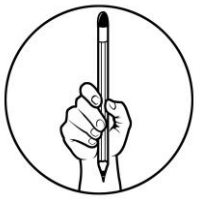
How to Learn from this Module

For you to achieve the objectives cited above, you are to do the following:

- Take your time reading the lessons carefully.
- Follow the directions and/or instructions in the activities and exercises diligently.
- Answer all the given tests and exercises.

Icons of this Module

	What I Need to Know	This part contains learning objectives that are set for you to learn as you go along the module.
	What I Know	This is an assessment as to your level of knowledge to the subject matter at hand, meant specifically to gauge prior related knowledge.
	What's In	This part connects previous lessons with that of what you are going to learn.
	What's New	An introduction of the new lesson through various activities, before it will be presented to you.
	What is It	These are discussions of the activities as a way to deepen your discovery and understanding of the concept.
	What's More	These are follow-up activities that are intended for you to practice further in order to master the competencies.
	What I Have Learned	Activities designed to process what you have learned from the lesson
	What I Can Do	These are tasks designed to showcase your skills and knowledge gained, and applied into real-life concerns and situations.
	Post Assessment	This assessment evaluates your level of mastery in achieving the learning objectives.
	More Activities	These are additional activities designed to increase the level of your skills and knowledge.



What I Know

Direction: **Mark check (☑) if the mathematical sentence is correct and mark (☒) if it is wrong.**

☐ 1. 6 thousand, 4 hundred three **=** 6 403

☐ 2. 11 398 **>** 11 000 + 300 + 90 + 8

☐ 3. 9 749 **=** 9 000 + 700 + 90 + 4

☐ 4. 24 567 **<** 24 567

☐ 5. 78 thousand, one **=** 78 001

☐ 6. 17 000 + 800 + 50 + 9 **=** 17 859

☐ 7. 23 999 **>** 32 999

☐ 8. 48 675 **=** 47 675 + 1 000

☐ 9. 30 100 **<** 30 001

☐ 10. 56 678 **=** 56 678

Lesson 1 COMPARING NUMBERS

In this lesson you will compare numbers up to 100 000 using relation symbols. You will identify which number is greater and which is smaller.

When comparing two numbers, you can follow these steps:

1. Align the digits with the same place value.
2. Starting from the left, compare the digits in each place value.
3. The first pair of digits that are of different values will determine which number is greater or less.

We use the following symbols to show the relationship between two numbers being compared. One of the following symbols is placed between them.

= **means "equal to"**	When two quantities have the same values, we use the "equal" symbol.	Example: 6+6 **=** 12
< **means "is less than to"**	When the left quantity has smaller value than the right quantity, we use the "less than to" symbol.	Example: 13 < 15
> **means "is greater than"**	When the left quantity has greater value than the right quantity, then we use the "greater than" symbol	Example: 21 > 19

What's In

Direction: Compare the numbers in the box. Draw a heart to the number which can be rounded to the given number.

Example: 47 000 | *46 643* | *45 798*

1. 86 000	*85 612*	*85 120*
2. 37 000	*36 456*	*37 340*
3. 75 000	*74 623*	*75 433*
4. 63 000	*63 783*	*63 498*
5. 93 000	*93 498*	*93 678*

What's New

Direction: Read carefully the problem below and answer the following questions.

The world is affected with Corona Virus. There were 12 347 cases in Philippines and 12 663 cases in Spain.

Questions:

1. Which country has more number of cases?
2. How many cases of Covid 19 are there in Spain?
3. How many cases are there in Philippines?
4. What symbol will be placed in the blank 12 347____12 663?
5. What symbol will be placed in the blank 12 663 _____12 347?

What is It

When comparing two numbers, you can follow these steps:

1. Align the digits with the same place value.
2. Starting from the left, compare the digits in each place value.
3. The first pair of digits that are of different values will determine which number is greater or less.

STEP 1

Compare the digits in the ten thousands place.

1 2 3 4 7

1 2 6 6 3

Same digits in the ten thousands place

STEP 2

Compare the digits in the thousands place.

1 2 3 4 7

1 2 6 6 3

Same digits in the thousands place

STEP 3

Compare the digits in the hundreds place.

1 2 3 4 7

1 2 6 6 3

Since 6 is greater than 3,
Therefore, **12 663 > 12 347**

What's More

A. Direction: Compare the following pair of numbers. Write >, < or = in the blank.

1. 56 712 is _____ 57 612
2. 84 910 is _____ 84 901
3. 10 234 is _____ 12 034
4. 55 378 is _____ 55 378
5. 35 678 is _____ 38 675

B. Direction: Fill in the least missing digit to make the equation true.

1. 64 ___34	**>**	64 221
2. 63 8___3	=	63 843
3. 2__ 733	**>**	22 797
4. 7__3 201	**<**	763 200
5. 43 637	**=**	43 ___37

What I Have Learned

How did you compare two numbers up to 100 000?

Which digit you will compare first?

What symbol you will use if the left quantity is bigger than the right quantity?

What symbol you will use if the left quantity is smaller than the right quantity?

What symbol you will use if the left quantity the same value in the right quantity?

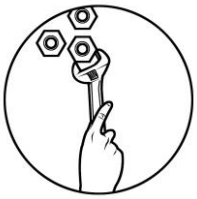
Points to Remember:

Steps to follow in comparing numbers;

Align the digits with the same place value.

Starting from the left, compare the digits in each place value.

The first pair of digits that are of different values will determine which number is greater or less.



What I Can Do

Direction: Read and solve the word problems.

1. Rene and Joel were both businessmen. Rene earns Php18 839 a week in his fishing business. Joel earned Php18 828 a week in his bakery. Who earns more and how much more did he earn?

2. Alex is a Farmer. He harvested 15 673 kilograms of mangoes in his farm and 14 934 kilograms of pomelos to be disposed in the province. Which fruit did Alex harvested more?

3. In a certain game show, Mela won Php65 000 while Kimmy won Php55 000. Who won the lesser amount of money?

4. Flores family earns Php26 456 in a month while Niepes family earns Php27 468 in one month. Which family earns more in a month?

5. Last year Dela Cerna's farm harvested 21 342 pieces of roses while Providos farm harvested 20 468 pieces of roses and deliver it to the different flower shop in the city. Which farm harvested more roses?

Post Assessment

Direction: Compare the following numbers. Mark check (☑) if the mathematical sentence is correct and mark (☒) if it is incorrect.

☐ 1. 7 thousand, 6 hundred three **=** 7 603
☐ 2. 11 398 **>** 11 000 + 400 + 90 + 8
☐ 3. 19 749 **=** 9 000 + 700 + 90 + 4
☐ 4. 29 547 **<** 24 567
☐ 5. 78 thousand, one **=** 78 001
☐ 6. 17 000 + 800 + 50 + 9 **=** 17 859
☐ 7. 33 999 **>** 32 999
☐ 8. 48 675 **=** 47 675 + 1 000
☐ 9. 30 100 **<** 30 001
☐ 10. 59 678 **=** 59 678

Additional Activities

Direction: Compare the following pair of numbers. Box the bigger number and encircle the smaller number.

1. 34 569	34 659
2. 61 782	67 821
3. 94 465	92 652
4. 84 937	74 379
5. 56 301	61 305

Answer Key

What I Know
1.☑
2.☒
3.☒
4.☒
5.☑
6.☑
7.☒
8.☑
9.☒
10.☑

What's In
1. 85 612
2. 37 340
3. 74 623
4. 63 498
5. 93 498

What's new
1. Spain
2. 12663
3. 12 347
4. <
5. >

What' more A
1. <
2. >
3. <
4. =
5. >

What's more B
1. 3
2. 4
3. 3
4. 5
5. 6

What can I do
1. 18 839 > 18 828 Rene earns more than Joel He earns Php 11 more than Joel
2. 15 673 > 14 934 Alex harvested more mango than pomelo
3. Php 55 000 < Php 65 000 Kimmy won lesser amount than Mela.
4. Niepes family earns more 27 468>26 456
5. Dela Cerna's farm harvested more Roses than Providos farm 21 342>20 468

Post Test
1. ☑
2. ☒
3. ☒
4. ☒
5. ☑
6. ☑
7. ☑
8. ☑
9. ☒
10. ☑

Additional activities		
1.	34 569	34 659
2.	61 782	67 821
3.	94 465	92 652
4.	84 937	74 379
5.	56 301	61 305

Reference:

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