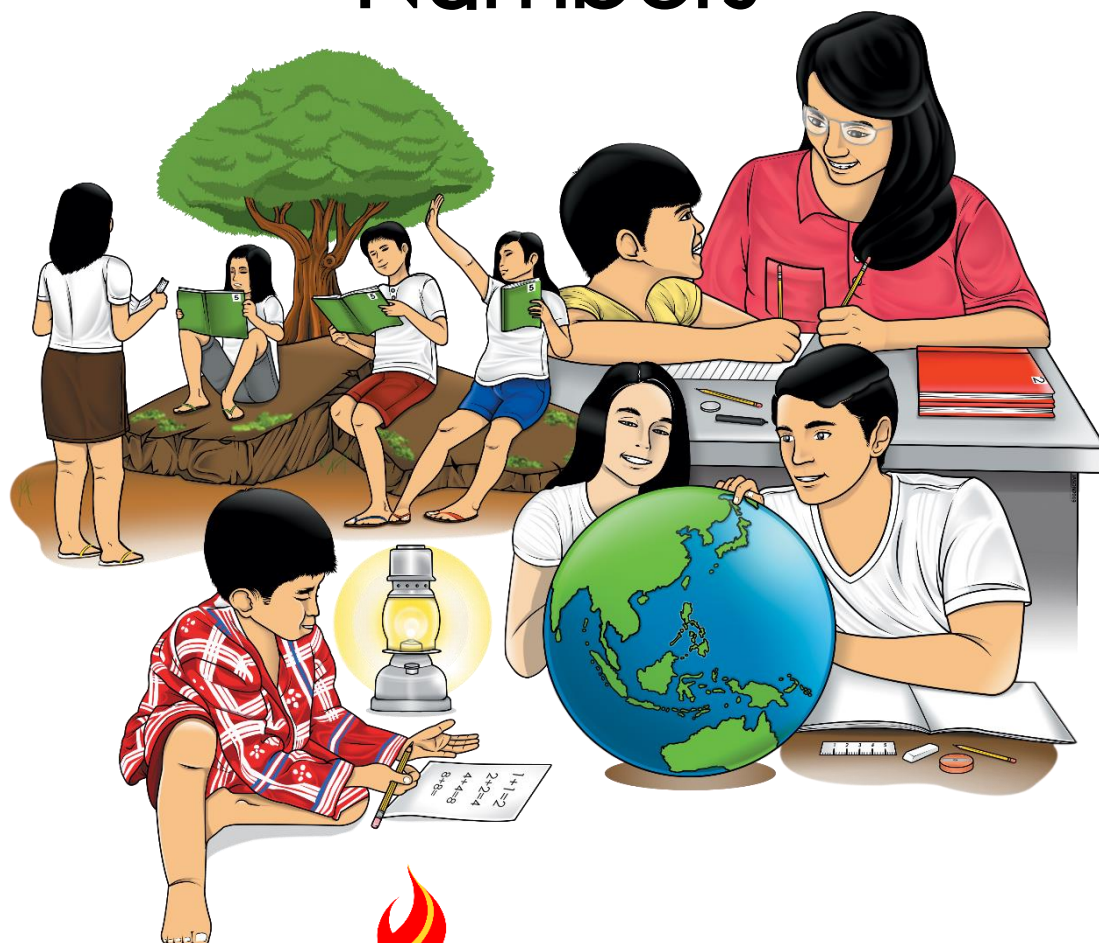


Mathematics

Quarter 1 – Module 5(b): Ordering 4 to 5-Digit Numbers



Mathematics – Grade 3
Alternative Delivery Mode
Quarter 1 – Module 5(b): Ordering 4 to 5-Digit Numbers
First Edition, 2020

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Mathematics

Quarter 1 – Module 5(b): Ordering 4 to 5-Digit Numbers

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.

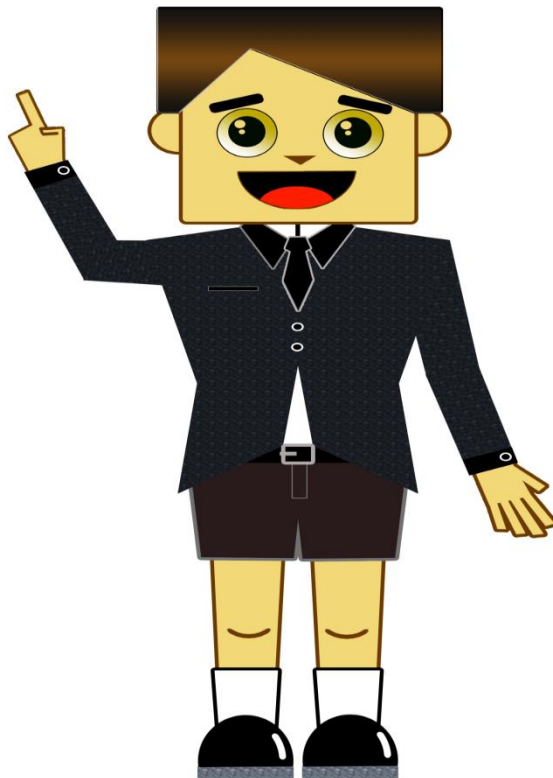


What I Need to Know

This module is designed and written with you in mind. It is made to help you comprehend Ordering 4 to 5-Digit Numbers in Increasing and Decreasing Order. The scope of this module permits it to be used in many different learning situations and specially-designed to facilitate learners with learning difficulty- those who are at risk of failing. 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. Order 4 to 5-Digit Numbers in Increasing and Decreasing Order (**M3NS-Ib13.3**).





What I Know

Activity 1

Directions

Arrange the following numbers in **increasing order** or from least to greatest order. Use numbers 1 – 10 to arrange the numbers.

a. ____ 8 020

b. ____ 3 430

c. ____ 6 678

d. ____ 7 342

e. ____ 12 592

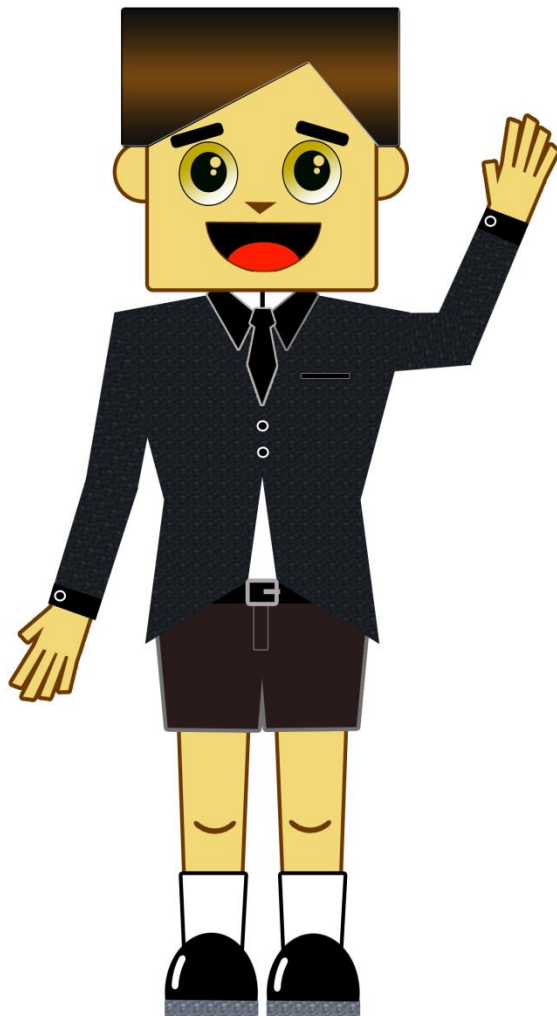
f. ____ 9 352

g. ____ 5 002

h. ____ 10 000

i. ____ 11 270

j. ____ 4 486



Lesson

Orders 4 to 5-Digit Numbers in Increasing or Decreasing Order

Each number has its own value that no two different numbers has the same value. Number values will be used in ordering numbers especially with multiple digits.

This module will help you on how to order 4 to 5-digit numbers in increasing order or vice-versa. Your knowledge in comparing numbers that you have learned previously will be very helpful in this lesson. As a review, kindly do the activity below.



What's In

Activity 2

Remember: In comparing numbers, we use the symbols $>$ for "greater than", $<$ for "less than" and $=$ for "equal".

Directions: Use the symbols " $<$ ", " $>$ " or " $=$ " to compare the following set of numbers correctly. Write the correct answer on the blank.

- 1.) 8 691 _____ 8 961
- 2.) 5 287 _____ 5 827
- 3.) 5 600 _____ 5 000 + 600 + 0 + 0
- 4.) 4 993 _____ 4 939
- 5.) 8 540 _____ 8 450
- 6.) 3 860 _____ 5 487
- 7.) 5 863 _____ 7 634
- 8.) 2 737 _____ 7 321
- 9.) 7 876 _____ 6 787
- 10.) 2 346 _____ 2 346





What's New

Your teacher gives you 5 report cards with serial numbers: 23456, 22456, 20456, 21456 and 24456. If you are told to arrange the report cards based on their serial numbers in increasing order, how will you arrange them? How about if your teacher wants them in decreasing order, can you do it?



What is It

Comparing two numbers may sound easy but when more than two numbers are to be compared together, it would be a bit difficult. However, comparing them can be done easily by arranging them whether in increasing or decreasing order.

To arrange numbers in increasing or decreasing order, just follow these simple steps:

1. Write the given numbers in vertical formation aligning the digits according to their place value.

Example:

23456	Ten Thousands	Thousands	Hundreds	Tens	Ones
22456	2	3	4	5	6
20456	2	2	4	5	6
21456	2	0	4	5	6
24456	2	1	4	5	6
	2	4	4	5	6

- Then, compare the numbers starting with the greatest place value downwards – ten thousands, thousands, hundreds, tens, and ones. If the numbers on that specific place value are the same or equal, proceed to the next place value until you find difference of the value of numbers in that specific place value.

Example:

	Ten Thousands	Thousands	Hundreds	Tens	Ones
23456	2	3	4	5	6
22456	2	2	4	5	6
20456	2	0	4	5	6
21456	2	1	4	5	6
24456	2	4	4	5	6

Numbers are **equal or the same**. Proceed to the next place value.

Numbers are **not equal**. Let's compare numbers on this place value.

- Arrange the numbers on the place value with different numbers based on what is being asked to you, whether increasing (0, 1, 2, 3, 4) or decreasing (4, 3, 2, 1, 0).

In this case, you are told to arrange in increasing order. To arrange the numbers, just copy the family numbers of those that we have just arranged or compared (increasing order).

- ❖ Therefore: The **increasing order** of the report cards' serial numbers are
- 20 456
21 456
22 456
23 456
24 456.

In ordering numbers with different place values, always consider first their greatest place values. Then, you can proceed on ordering them by following the given steps.

Example: Arrange the following numbers in decreasing order.

2 786 12 790 543 65 5 788 521

Solution:

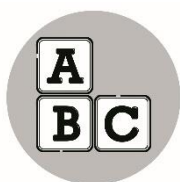
- Step 1. Write the given numbers in vertical formation starting with the number having the greatest place value.
Align the digits according to their place value.

12 790
5 788
2 786
543
521
65

- Step 2. Compare the numbers starting with the greatest place value down to the ones place.

12 790
5 788
2 786
543
521
65

Answer: 12 790, 5 788, 2 786, 543, 521, 65



What's More

Activity 3

A. Arrange the following numbers in increasing order.

1.) 2 786 2 790 2 788 2 787 2 789

_____ , _____ , _____ , _____ , _____

2.) 5 860 5 980 5 000 5 880 5 780

_____ , _____ , _____ , _____ , _____

3.) 16 904 9 832 15 000 18 461 9 742

_____ , _____ , _____ , _____ , _____

B. Arrange the following numbers in decreasing order.

4.) 4 989 4 986 4 985 4 987 4 988

_____ , _____ , _____ , _____ , _____

5.) 14 399 19 299 15 400 18 299 10 999

_____ , _____ , _____ , _____ , _____

6.) 10 990 17 610 14 000 17 967 18 374

_____ , _____ , _____ , _____ , _____



What I Have Learned

To arrange numbers in increasing or decreasing order, just follow these simple steps:

1. Write the given numbers in vertical formation aligning the digits according to their place value.
2. Then, compare the numbers starting with the greatest place value downwards – ten thousands, thousands, hundreds, tens, and ones. If the numbers on that specific place value are the same or equal, proceed to the next place value until you find difference of the value of numbers in that specific place value.
3. Arrange the numbers on the place value with different numbers based on what is being asked to you, whether increasing or decreasing. To arrange the numbers, just copy the family numbers of those that you have just arranged or compared.



What I Can Do

Activity 4

A. These are the student's population of four schools. Arrange them in increasing order.

3 247

2 564

1 976

2 839

B. The following are the number of people living in four barangays. Write down the numbers in decreasing order.

4 745

6 983

9 357

7 450



Assessment

Activity 5

A. Write the following numbers inside the stair boxes.

1.) Arrange in decreasing order.

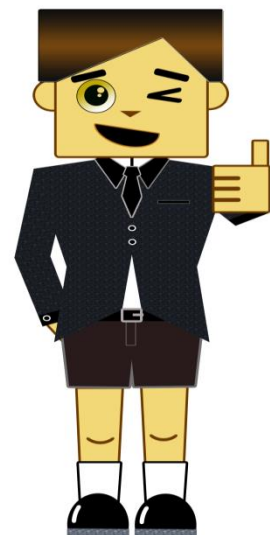
6 327 4 327 8 543 3 258 1 765

Start here →

2.) Arrange in increasing order.

4 452 9 778 7 675 4 231 5 189

Start here →





Additional Activities

Activity 6

A. Study the data about Newspaper Collection. Then, answer the following questions.

There are two civic organizations that are planning to help the flood victims of Luzon. They encourage their family members and friends to share some money to raise funds.

Study the chart.

Amount of Money Collected		
Days	Group A	Group B
Day 1	P8 000	P5 800
Day 2	P7 500	P7 900
Day 3	P8 600	P8 500
Day 4	P10 700	P11 000
Day 5	P6 800	P6 600

Arrange the following Amount of Money Collected (given in the chart above) in increasing order, then, in decreasing order.

Group A		Group B	
Increasing	Decreasing	Increasing	Decreasing



Answer Key

<p>Assessment</p> <p>1.)</p> <p>8 543</p> <p>6 327</p> <p>4 327</p> <p>3 258</p> <p>1 765</p> <p>9 778</p> <p>7 675</p> <p>5 189</p> <p>4 452</p> <p>4 231</p> <p>2.)</p>			
<p>Additional Activities</p>			
<p>Group A</p>		<p>Group B</p>	
Increasing	Decreasing	Increasing	Decreasing
6 800	10 700	5 800	11 000
7 500	8 600	6 600	8 500
8 000	8 000	7 900	7 900
8 600	8 600	8 500	8 500
8 000	8 000	7 900	7 900
8 600	7 500	8 500	6 600
10 700	6 800	11 000	5 800

<p>What I Know</p> <p>a. 6</p> <p>b. 1</p> <p>c. 4</p> <p>d. 5</p> <p>e. 10</p> <p>f. 7</p> <p>g. 3</p> <p>h. 8</p> <p>i. 9</p> <p>j. 2</p>	<p>What's In</p> <p>1. <</p> <p>2. <</p> <p>3. =</p> <p>4. ></p> <p>5. ></p> <p>6. <</p> <p>7. <</p> <p>8. <</p> <p>9. ></p> <p>10. =</p>	<p>What's More</p> <p>1.) 2 786, 2 787, 2 788, 2 789, 2 790</p> <p>2.) 5 000, 5 780, 5 860, 5 880, 5 980</p> <p>3.) 9 742, 9 832, 15 000, 16 904, 18 461</p> <p>4.) 4 989, 4 988, 4 987, 4 986, 4 985</p> <p>5.) 19 299, 18 299, 15 400, 14 399, 10 999</p> <p>6.) 18 374, 17 967, 17 610, 14 000, 10 990</p>	<p>What I Can Do</p> <p>1.) $\overline{1\,976}$, $\overline{2\,564}$, $\overline{2\,839}$, $\overline{3\,427}$</p> <p>2.) $\overline{9\,357}$, $\overline{7\,450}$, $\overline{6\,983}$, $\overline{4\,745}$</p>
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