

4

# Learning Activity Sheet for Mathematics

Quarter 1

Week

6

## Learning Activity Sheet Mathematics Grade 4

### Quarter 1: Week 6

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# LEARNING ACTIVITY SHEET 1

Learning Area:	Mathematics	Quarter:	1
Week:	6	Day:	1
Lesson Title/ Topic:	Comparing Numbers up to 1,000,000 using =, < and >		
Name:	Grade & Section:		4

## Activity 1: Mind Check

Duration: 5 minutes

**Instructions:** Which of the following shows the correct comparison? Write the letter of the correct answer on your answer sheet. There may be more than one correct answer

- A.  $23,983 > 10,234$

B.  $23,465 < 23,456$   
 $54,736$

C.  $88,001 = 123,998$

D.  $45,324 >$
- A.  $342,456 > 910,234$

B.  $113,564 < 34,643$

C.  $234,004 = 243,004$

D.  $945,632 > 932,455$
- A.  $829,343 = 829,343$

B.  $113,432 < 31,432$

C.  $982,384 > 999,234$

D.  $968,856 > 986,865$
- A.  $968,856 > 986,865$

B.  $232,433 < 31,432$

C.  $912,384 > 934,234$

D.  $908,343 = 908,343$
- A.  $544,356 > 543,353$

B.  $404,453 = 404,435$

C.  $35,535 > 234,564$

D.  $436,463 < 543,646$

## Activity 2: Let's Discover

**Duration:** 15 minutes

**Instructions:** Perform the assigned tasks below.

### Task 1: Number Line Comparison

- The teacher will display a number line.
- Place number cards (or write numbers) on the number line.
- In pairs, compare the numbers using the symbols =, <, and >. You should justify your comparisons to each other.

### Task 2: Think-Pair-Share

- a. Compare the set of numbers.
- b. Discuss with your partner. Provide a reason for how you arrived at your answer.
- c. Be ready to present and discuss your output to the class.

### Task 3: Human Number Line

- Create a number line by placing numbers on the floor at intervals.
- Call out numbers randomly and have learners stand on the corresponding numbers on the line.
- Ask questions like, "Who is standing on a number greater than 500,000?"

### Task 4:

On the number line, place the following numbers: 325,000 and 550,000. Compare these numbers using =, <, and >.

## Activity 3: Let's Dig Deeper!

**Duration:** 5 minutes

**Instructions:** Solve the following problems.

1. Belle saved ₱ 243,800 in her bank, and Abby saved ₱ 234,900. Who saved more?
2. Ana has ₱ 7,786, while Oscar has ₱ 7,687. Who has less money?
3. Mabait Elementary School has 926,261 books in their library while Matatag Elementary School has 962,261 books. Who owns more books?
4. In an amazing race, Bryan covered 53,412 meters, while Joel covered 54,321 meters. If each meter that a runner covered will earn a point, who will get more points?
5. Marianne saved ₱ 1,234 from her allowance, while Princes saved ₱4,321. Who saved less?

**Reflection:** Did you find any strategies or techniques helpful in approaching these comparison problems? If so, which one and why?

## Activity 4: Test Time!

**Duration:** 10 minutes

**Instructions:** Perform and follow the instructions for each task in this activity.

### Task 1: Greater Than, Less Than, or Equal To

**Instructions:** Compare the pairs of numbers and write the appropriate symbol ( $>$  for greater than,  $<$  for less than, or  $=$  for equal to) in the blanks.

1) 937,282 \_\_\_\_\_ 832,769

4) 627,382 \_\_\_\_\_ 627,382

2) 818,273 \_\_\_\_\_ 819,736

5) 720,231 \_\_\_\_\_ 917,273

3) 598,090 \_\_\_\_\_ 598,090

### Task 2: True or False

**Instructions:** Determine whether the statement is true or false.

6)  $754,763 > 900,908$  \_\_\_\_\_

7)  $987,543 < 988,765$  \_\_\_\_\_

8)  $827,000 = 827,000$  \_\_\_\_\_

### Task 3: Word Problems

**Instructions:** Study the following word problems by comparing the numbers provided.

9) Ben has 183,873 reactors in his Reels while Joy has 130,022 reactors. Who has more reactors?

10) Sarah has 263,283 viewers while Lea has 900,281 viewers. Who has fewer viewers?

**Reflection:** What was most challenging about comparing numbers up to 1,000,000 during this activity?

## Activity 5: Add Some More!

**Duration:** 10 minutes

**Instructions:** Answer the following tasks on your answer sheet.

### Task 1: True or False:

**Instructions:** Determine whether the statement is true or false based on the comparisons. Write your answers on your answer sheet.

1.  $123,456 > 100,000$

4.  $234,567 > 345,678$

2.  $999,999 = 999,999$

5.  $987,654 = 987,654$

3.  $567,890 < 789,012$

### Task 2: Word Problems

**Instructions:** Answer the following questions.

6. Jovy has ₱ 120,000, and Maria has ₱ 132,000. Who has more money?

7. Boy's car traveled 230,000 meters, and James' car traveled 231,900 meters. Whose car traveled the greater distance?

**Reflection:** Did you find this activity engaging and effective in deepening your understanding of the topic? If not, what changes or improvements would you suggest for future activities on this topic?

## LEARNING ACTIVITY SHEET 2

Learning Area:	Mathematics	Quarter:	1
Week:	6	Day:	2
Lesson Title/ Topic:	Ordering Numbers up to 1,000,000		
Name:		Grade & Section:	4

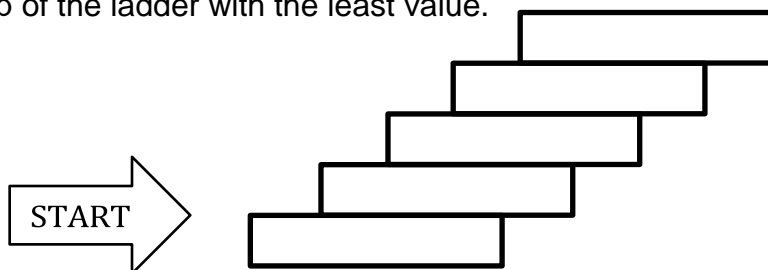
### Activity 6: Mind Check

Duration: 5 minutes

Instructions: Write the following numbers in the ladder box

983,372    229,343    274,483    837,483    459,685

Start with the first step of the ladder with the least value.



How did it help in comparing numbers up to 1,000,000?

Reflection: What do you think was the purpose of using the ladder chart in this activity?

### Activity 7: Let's Dig Deeper!

Duration: 15 minutes

Instructions: Accomplish the tasks given.

#### Task:

- Arrange the following numbers in descending order.  
233,422    783,322    913,429    313,332    91432
- The number 937,678 is ( $=$ ,  $<$ ,  $>$ ) 937,789.
- What are the smallest and the largest possible numbers that you can form using the digits 5, 0, 1, 2, 9, and 8?

Reflection: Write down three comparisons you found most challenging and explain how you successfully resolved them.

## Activity 8: Test Time!

**Duration:** 10 minutes

**Instructions:** Carefully follow the directions for each item.

**Task 1:** Read and answer the following:

1. Order the following numbers from smallest to largest:  
235,678      789,001      456,123      324,567      987,654
2. Order the following numbers from largest to smallest:  
876,543      345,678      654,321      123,456      987,654
3. Arrange the following numbers in ascending order:  
876,789      654      12,345      1,234,567      890,123
4. Arrange the following numbers in descending order:  
987,654      56,789      345      456,789      2,345

**Task 2:** Read and answer the following.

5. A municipality is implementing a tree-planting activity. It has 14,678 Narra seedlings, 15,794 Mahogany seedlings, and 12,067 Acacia seedlings. Arrange the number of kinds of seedlings in increasing order.
6. A subdivision has some residential lots available for sale. The lots measure 12,523 square meters, 23,234 square meters, 32,130 square meters, and 10,302 square meters. Arrange the size (area) of the lots in decreasing order.
7. Using all the digits 2, 4, 6, 0, 3, and 7 once, write the
  - a. largest number that can be formed.
  - b. smallest number that can be formed.

**Reflection:** What did you discover about your understanding of ordering numbers during this activity, and how do you think you can further improve your skills in this area?



## Activity 9: Add Some More!

**Duration:** 10 minutes

**Instructions:** Answer the following tasks on your answer sheet.

A. Arrange the following in increasing order.

1. 

123,145	123,456	123,034	123,523
---------	---------	---------	---------

 \_\_\_\_\_
2. 

99,000	93,000	100,000	95,000
--------	--------	---------	--------

 \_\_\_\_\_
3. 

76,625	76 090	76 920	76 902
--------	--------	--------	--------

 \_\_\_\_\_
4. 

43,091	34,091	134,909	431,900
--------	--------	---------	---------

 \_\_\_\_\_
5. 

102,827	200,382	29 001	200,123
---------	---------	--------	---------

 \_\_\_\_\_

B. Arrange the following in decreasing order.

6. 

78,001	75,001	77,001	76,001
--------	--------	--------	--------

 \_\_\_\_\_
7. 

35,000	32,000	34,000	38,000
--------	--------	--------	--------

 \_\_\_\_\_
8. 

987,890	978,890	987,980	987,880
---------	---------	---------	---------

 \_\_\_\_\_
9. 

2,342	32,910	8,293	34,290
-------	--------	-------	--------

 \_\_\_\_\_
10. 

56,999	59,183	65,100	56,001
--------	--------	--------	--------

 \_\_\_\_\_

**Reflection:** Did you find this activity engaging and enjoyable? Why or why not?

## LEARNING ACTIVITY SHEET 3

<b>Learning Area:</b>	<b>Mathematics</b>	<b>Quarter:</b>	<b>1</b>
<b>Week:</b>	<b>6</b>	<b>Day:</b>	<b>3</b>
<b>Lesson Title/ Topic:</b>	Round off Numbers up to the Nearest Hundred Thousand		
<b>Name:</b>		<b>Grade &amp; Section:</b>	<b>4</b>

### Activity 10: Mind Check

**Duration:** 5 minutes

**Task:**

- Round off the following numbers as indicated.
  - 625,483      to the nearest thousands
  - 837,392      to the nearest ten thousands
  - 384          to the hundreds
- If you were estimating the population of a province and the actual population is 934,543, what would be a reasonable estimate to the nearest hundred thousand?

**Reflection:** How confident are you in your ability to use rounding off to estimate numbers in everyday situations now that you've completed this activity?

### Activity 11: Let's Discover

**Duration:** 10 minutes

**Instructions:** Do the following tasks.

**Task 1:** Round off the following numbers to the nearest hundred thousand.

- 223,456
- 923,452
- 835,764
- 521,650
- 100,349

**Task 2:** Challenge Problem:

What is the difference between the largest number and the smallest number that can be rounded off to 500,000?

**Reflection:** Write down the most challenging things you experienced from this activity and explain how you successfully resolved them.

## Activity 12: Let's Dig Deeper

**Objective:** *Round off the given numbers to the nearest hundred thousand.*

**Materials:** *Learning Activity Sheets*

**Duration:** *10 minutes*

**Instructions:** The game will present you with a series of numbers one by one. Your task is to quickly round off each number to the nearest hundred thousand. Your time will be recorded for each round.

**Game Over:** The game ends when you've completed all the rounds.

Let's Get Started!

- 1) 830,981
- 2) 301,988
- 3) 102,382
- 4) 420,912
- 5) 985,435

**Reflection:** What strategies did you use to quickly round down the numbers to the nearest hundred thousand, and did you notice any patterns or shortcuts that helped you complete the task efficiently?

## Activity13: Test Time!

**Duration:** 10 minutes

**Instructions:** Follow the instructions in each task.

1. Round off the following numbers as indicated:

- |            |   |
|------------|---|
| a) 564     | to the nearest tens: _____              |
| b) 987     | to the nearest hundreds: _____          |
| c) 18,890  | to the nearest thousands: _____         |
| d) 332,930 | to the nearest ten thousands: _____     |
| e) 810,290 | to the nearest hundred thousands: _____ |

2. Solve the following word problems:

a) The region has a population of 901,139. Round off the population to the nearest hundred thousand. Rounded off: \_\_\_\_\_

b) The Department of Tourism (DOT) reported that a total of 948,734 tourists arrived in the Philippines as of November 2022. Round off the number to the nearest hundred thousand. Rounded Off: \_\_\_\_\_

3. Determine whether the following statements are true or false:

\_\_\_\_\_ a) Rounding off 928,273 to the nearest hundred thousand gives 900 000.

\_\_\_\_\_ b) When rounding off to the nearest hundred thousand, consider only the digit in the hundred thousands place.

4. **Challenge Question:** How many numbers that are greater than 300,000 when rounded off to the nearest thousand will result in 300,000?

**Reflection:** Have you encountered any challenges or difficulties while trying to compare numbers? If so, how did I overcome them?

## Activity 14: Add Some More!

**Duration:** 5 minutes

**Instructions:** Answer the following tasks.

### A. Advanced Level: Real-World Rounding Off

Suppose you're analyzing populations of four regions in selected provinces. Round off each province's population to the nearest hundred thousand and answer the questions below.

1. Ilocos Sur (Region 1): 689,668
2. Quirino (Region 2): 201,048
3. Zambales (Region 3): 823,888
4. Aklan (Region 6): 590,793
5. Cebu (Region 7): 922,611

Question#1: Which province has the largest rounded off population?

Question#2: Which province has the smallest rounded off population?

### B. Reinforcement Problems

Round off each number as indicated.

- 6) 485 to the nearest tens
- 7) 2,949 to the nearest hundreds
- 8) 4,499 to the nearest thousands
- 9) 115,001 to the nearest ten thousands
- 10) 920,726 to the nearest hundred thousands

**Reflection:** Can you think of any specific examples where rounding off numbers might be important or necessary?

## LEARNING ACTIVITY SHEET 4

Learning Area:	Mathematics	Quarter:	1
Week:	6	Day:	4
Lesson Title/ Topic:	Round off Numbers up to the Nearest Hundred Thousand		
Name:		Grade & Section:	4

### Activity 15: Mind Check

Duration: 5 minutes

**Instructions:** Round off Amani's numbers to the nearest hundred thousand. Check the arrow of the correct answer.

1) 765,765

2) 985,760

3) 880,876

4) 456,473

5) 282,902

### Activity 16: Let's Discover

Duration: 3 minutes

**Instructions:** Round off the following as indicated.

- 1) 988,920 to the nearest thousand
- 2) 893,482 to the nearest ten thousand
- 3) 467,290 to the nearest ten thousand
- 4) 214,019 to the nearest hundred thousand
- 5) 867,372 to the nearest hundred thousand

**Reflection:** What strategies or methods did you find most helpful when rounding numbers off to the nearest hundred thousand, and why?

## Activity 17: Test Time!

**Duration:** 10 minutes

**Instructions:** Answer the following activities on your answer sheet.

A. Round off the following numbers to the nearest hundred thousand.

- 1) 978,231
- 2) 753,091
- 3) 942,920
- 4) 786,875
- 5) 564,875

B. Solve the following word problems involving rounding off to the nearest hundred thousand:

- a) A university has an enrollment of 134,563. Round off this number to the nearest hundred thousand to estimate the total population.
- b) A school gained 765,432 in their fundraising for their greening program. Round off this number to the nearest hundred thousand to estimate the total fund.

**Reflection:** How can the skill of rounding off numbers be useful in everyday life? Can you give some examples?

## Activity 18: Add Some More!

**Duration:** 5 minutes

**Instructions:** Answer the following tasks on your answer sheet.

**Task 1:** Round off the following numbers to the nearest hundred thousand

- 1) 682,437
- 2) 364,815
- 3) 838,912
- 4) 895,642
- 5) 982,323

**Task 2:** A province's population for the last five years is recorded as follows:

**Year 1:** 123,435

**Year 2:** 224,239

**Year 3:** 260,120

**Year 4:** 381,221

**Year 5:** 450,133

- a) Round off the population of each year to the nearest hundred thousand.
- b) Based on your calculations, which year had the greatest number of people when rounded off to the nearest hundred thousand?

**Reflection:** Did you notice any patterns or rules that helped you when rounding off numbers? If yes, please describe them.



## LEARNING ACTIVITY SHEET 5

<b>Learning Area:</b>	<b>Mathematics</b>	<b>Quarter:</b>	<b>1</b>
<b>Week:</b>	<b>6</b>	<b>Day:</b>	<b>5</b>
<b>Lesson Title/ Topic:</b>	Rounding off Numbers to the Nearest Hundred thousand		
<b>Name:</b>		<b>Grade &amp; Section:</b>	<b>4</b>

### Activity 19. Test Time!

**Duration:** 10 minutes

**Instructions:** Complete the following tasks.

**Task 1:** Round off each number to the nearest hundred thousand

- 1) 195,339
- 2) 139,895
- 3) 323,022
- 4) 785,670
- 5) 505,729

**Task 2:** Answer the following questions:

- 6) What is the biggest number that rounds off to 200,000 when rounded off to the nearest hundred thousand?
- 7) What is the smallest number that rounds off to 100,000 when rounded off to the nearest hundred thousand?
- 8) How many numbers can be rounded off to 100,000?
- 9) There are 170,671 boxes of sardines to be distributed in a certain municipality which was affected by a typhoon. What is 170,671 if rounded off to the nearest hundred thousand?
- 10) For two years, a group of youth planted 238,639 fruit bearing trees. Estimate, in hundred thousand, the trees planted.

## Activity 20: Add Some More!

**Duration:** 5 minutes

**Instructions:** Answer the following tasks on your answer sheet.

A. Reinforcement: Round off the following numbers to the nearest hundred thousand.

- 1) 543,210
- 2) 344,567
- 3) 890,123
- 4) 256,950
- 5) 981,253

B. Advanced Level: Round off the numbers to the nearest hundred thousand, then compare them. Encircle the larger number.

- 6) 932,109 and 980,000
- 7) 467,654 and 648,654
- 8) 243,345 and 123,432
- 9) 625,728 and 283,287
- 10) 847,283 and 902,293