

4

Learning Activity Sheet for Mathematics

Quarter 1

Week

7

Learning Activity Sheet Mathematics Grade 4

Quarter 1: Week 7

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LEARNING ACTIVITY SHEET 1

Learning Area:	Mathematics	Quarter:	1
Week:	7	Day:	1
Lesson Title/ Topic:	Estimating the Sum of Two 5-digit Numbers		
Name:		Grade & Section:	4

Activity No. 1: WHAT I KNOW

Duration: 5 minutes

Instructions: Round off the following numbers to the highest place value.

1. 3 567 - _____
2. 7 956 - _____
3. 9 427 - _____
4. 563 - _____
5. 10,345 - _____

Activity No. 2: LET'S PRACTICE

Duration: 10 minutes

TASK 1: Round off the following numbers to the highest place value.

1. 27,685 - _____
2. 58,123 - _____
3. 23,605 - _____
4. 40,676 - _____
5. 72,123 - _____

TASK 2: Estimate the sum of the given addends to the nearest and highest place value.

1. 57 103→
+ 11 829→ _____
2. 45 670→
+ 34 115→ _____
3. 73 292→
+ 23 500→ _____
4. 40 865→
+ 34 064→ _____
5. 67 261→
+ 22 902→ _____

Activity No. 3: CHECK-UP

Duration: 10 minutes

TASK 1: Estimate the sum of the numbers by rounding off the addends to the highest place value. Choose the letter of the correct answer.

1. $55,630 + 34,712$
A. 100,000 B. 90,000 C. 80,000 D. 70,000
2. $29,732 + 45,005$
A. 90,000 B. 80,000 C. 70,000 D. 60,000
3. $57,355 + 16,119$
A. 40,000 B. 50,000 C. 60,000 D. 80,000
4. $26,234 + 13,567$
A. 40,000 B. 50,000 C. 60,000 D. 70,000
5. $23,506 + 21,763$
A. 60,000 B. 50,000 C. 40,000 D. 30,000

TASK 2: Complete the table below.

Numbers	Rounded off addends to the highest place value	Estimated Sum
1. $45,125 + 11,067$		
2. $64,191 + 19,225$		
3. $27,056 + 35,017$		
4. $16,116 + 11,209$		
5. $15,239 + 43,231$		

Assessment/Reflection:

Did the activity help you better understand the lesson? What made it easy for you? What made it hard?

Activity No. 4: MORE PRACTICE

Duration: 10 minutes

Instructions: Estimate the sum of the numbers by rounding off the addends to the highest place value.

1. 81 516→
+ 16 309→

2. 48 567→
+ 34 160→

3. 32 407 →
+ 34 528 → _____
4. 76 346 →
+ 11 237 → _____

5. 27 521→
+12 426 → _____

Assessment/Reflection:

How did you find the activity? Could you correctly apply the steps in estimating the sum of two 5-digit numbers? Why or why not?

LEARNING ACTIVITY SHEET 2

Learning Area:	Mathematics	Quarter:	1
Week:	7	Day:	2
Lesson Title/ Topic:	Estimating the Sum of Two 5- to 6-digit Numbers		
Name:		Grade & Section:	4

Activity No. 5: WHAT I KNOW

Duration: 5 minutes

Instructions: Round off the following numbers to the highest place value.

1. 54 706 → _____
2. 45 765 → _____
3. 261 783 → _____
4. 727 115 → _____
5. 916 765 → _____

Activity No. 6: LET'S THINK, PAIR AND SHARE

Duration: 10 minutes

Instructions: Together with your pair, estimate the sum of the given 6-digit numbers to the highest place value.

- | | |
|------------------------------|-------------------------------|
| 1. 56,817 and 48,112 _____ | 6. 534,900 and 125,728 _____ |
| 2. 63,213 and 58,047 _____ | 7. 750,345 and 146,740 _____ |
| 3. 804,317 and 73,563 _____ | 8. 348,509 and 264,226 _____ |
| 4. 56,821 and 234,643 _____ | 9. 168,375 and 708,661 _____ |
| 5. 567,001 and 420,562 _____ | 10. 678,334 and 146,553 _____ |

Assessment/Reflection:

Did you finish your activity on time? Why? Why not?

What did you do to get the correct answer?

Activity No. 7: CHECK-UP

Duration: 10 minutes

TASK 1: Write the letter of the correct answer.

- What is the estimated sum of 567,016 and 145,348?
A. 600,000 B. 700,000 C. 800,000 D. 900,000
- Which of the following shows the estimated sum of 724 906 and 153 818?
A. 900,000 B. 800,000 C. 700,000 D. 600,000
- Which of the following gives an estimated sum of 800,000?
A. 452,345 + 461,734 C. 537,230 + 312,008
B. 670,113 + 160,819 D. 348,912 + 561,9064
- Estimate the sum of 234 678 and 406 781.
A. 600 000 B. 700 000 C. 800 000 D. 900 000
- Prim's Drugstore sold medicines worth ₱ 567 900 in January and ₱ 436 975 in February. Approximately, how much was the total sales of Prim's Drugstore?
A. ₱ 700 000 B. ₱ 800 000 C. ₱ 900 000 D. ₱ 1 000 000

TASK 2: Put a check (✓) if the estimated sum of the given addends is correct and X mark if not, then write the correct answer.

- | | | |
|--|---|--|
| 1. 292 231 → 300
000
+ 450 337 → + 500
000
800 000 | 3. 470 274 → 500 000
+ 175 563 → 100 000
+
400 000 | 5. 782 038 → 800
000
+ 128 473 → 100
+
900
000 |
| 2. 511 807 → 600 000
+ 345 636 → + 300 000
900 000 | 4. 562 091 → 600 000
+ 108 346 → + 100 000
700 000 | |

Assessment/Reflection:

Did you make any mistakes in doing the activity?

Explain what you did wrong, how you realized the mistake, and what you learned from it.

Activity No. 8: MORE PRACTICE

Duration: 10 minutes

Instructions: Complete the table.

Numbers	Rounded off addends to the nearest and highest place value	Estimated Sum
1. 806 234 + 135 003		
2. 224 117 + 378 209		
3. 537 275 + 223 116		
4. 643 286 + 328 473		
5. 356 289 + 347 223		

Assessment/Reflection:

How did you get the correct answer? What technique did you apply?

LEARNING ACTIVITY SHEET 3

Learning Area:	Mathematics	Quarter:	1
Week:	7	Day:	3
Lesson Title/ Topic:	Estimating the Difference of Two 5-Digit Numbers		
Name:		Grade & Section:	4

Activity No. 9: WHAT I KNOW

Duration: 5 minutes

Instructions: Round off the numbers to the highest place value and estimate the sum.

1. $36,023 \rightarrow$
+ $10,008$ $\rightarrow$ _____
2. $386,527 \rightarrow$
+ $35,106$ $\rightarrow$ _____
3. $430,154 \rightarrow$
+ $54,558$ $\rightarrow$ _____
4. $675,141 \rightarrow$
+ $181,530$ $\rightarrow$ _____
5. $288,301 \rightarrow$
+ $212,636$ $\rightarrow$ _____

Activity No. 10: ESTIMATE THE DIFFERENCE

Duration: 10 minutes

Instructions: Estimate the difference.

1. $86,034$ and $56,133$ _____
2. $54,091$ and $21,966$ _____
3. $75,117$ and $21,106$ _____
4. $52,189$ and $16,500$ _____
5. $74,008$ and $42,716$ _____
6. $34,116$ and $12,786$ _____
7. $78,450$ and $43,345$ _____
8. $86,237$ and $44,348$ _____
9. $50,227$ and $16,500$ _____
10. $74,008$ and $27,160$ _____

Assessment/Reflection:

How did you find the activity?

Is it easy to get the correct answer?

Activity No. 11: CHECK-UP

Duration: 10 minutes

TASK: Write the letter of the correct answer.

- What is the estimated difference between 48 456 and 18 076?
A. 10 000 B. 20 000 C. 30 000 D. 40 000
- Which of the given numbers has the estimated difference of 80 000?
A. 65 662 – 25 901 C. 77 209 – 35 316
B. 87 340 – 36 880 D. 94 116 – 12 568
- Estimate the difference of 45 782 and 26 236.
A. 20 000 B. 30 000 C. 40 000 D. 50 000
- There are 45 200 tickets to be sold for the raffle draw, 38 116 tickets were already sold. About how many tickets are not yet sold?
A. 10 000 B. 20 000 C. 30 000 D. 40 000
- There are 15 456 people who watched the musical play on the first day, while there are 12 115 people who watched the show on the second day. About how many more people watched the musical show on the first day than on the second day?
A. 40 000 B. 30 000 C. 20 000 D. 10 000

TASK 2: Estimate the difference of the given 5-digit numbers by rounding off to the highest place value.

- | | | |
|---|--|---|
| 6. $88\,406 \rightarrow$
- $35\,602 \rightarrow$ _____ | 7. $68\,561 \rightarrow$
- $29\,287 \rightarrow$ _____ | 8. $45\,708 \rightarrow$
- $11\,093 \rightarrow$ _____ |
| | | |
| 9. $88\,530 \rightarrow$
- $62\,085 \rightarrow$ _____ | 10. $34\,872 \rightarrow$
- $13\,461 \rightarrow$ _____ | |

Assessment/Reflection:

Did you make any mistakes in doing the activity? Why?

Activity No. 12: MORE PRACTICE

Duration: 10 minutes

Instructions: Estimate the difference.

1. $91\,206 \rightarrow$
 $- \underline{23\,145} \rightarrow$ _____
2. $73\,809 \rightarrow$
 $- \underline{32\,564} \rightarrow$ _____
3. $67\,115 \rightarrow$
 $- \underline{45\,345} \rightarrow$ _____
4. $30\,236 \rightarrow$
 $- \underline{12\,450} \rightarrow$ _____
5. $67\,239 \rightarrow$
 $- \underline{40\,116} \rightarrow$ _____

Assessment/Reflection:

Explain how you got the correct answer?

LEARNING ACTIVITY SHEET 4

Learning Area:	Mathematics	Quarter:	1
Week:	7	Day:	4
Lesson Title/ Topic:	Estimate the Difference of Two 5- to 6-Digit Numbers		
Name:		Grade & Section:	4

Activity No. 13: WHAT I KNOW

Duration: 5 minutes

TASK 1: Estimate the difference by rounding off the given numbers to the highest place value.

- | | | |
|-------------------------------|-------------------------------|-------------------------------|
| 1. 82 309→
- 45 227→ _____ | 2. 36 908→
- 20 265→ _____ | 3. 67 311→
- 25 809→ _____ |
| 4. 82 005→
- 23 763→ _____ | 5. 67 016→
- 16 408→ _____ | |

Activity No. 14: ESTIMATING THE DIFFERENCE CHALLENGE

Duration: 10 minutes

Instructions: Read and follow the steps carefully.

- Step 1- Round off the given numbers to the nearest and highest place value
- Step 2- Estimate the difference.
- Step 3- Write your answers on the Manila paper provided by the teacher.
- Step 4- Post and present your work on the board.

TASK 1:

- | | |
|------------------------|-------------------------|
| 1. 51,208 and 24,316 | 6. 756,175 and 346,554 |
| 2. 97,113 and 47,845 | 7. 567,345 and 139,675 |
| 3. 582,453 and 294,876 | 8. 934,664 and 346,734 |
| 4. 345,231 and 157,389 | 9. 343,573 and 234,667 |
| 5. 285,211 and 184,356 | 10. 767,332 and 436,556 |

Assessment/Reflection:

How did you find the activity?

How did you get the correct answer?

Activity No. 15: I CAN ESTIMATE

Duration: 5 minutes

Instructions: Estimate the difference.

$$\begin{array}{r} 1. \\ 640,076 \rightarrow \\ - \\ \hline 453,122 \rightarrow \end{array}$$

$$\begin{array}{r} 2. 425,678 \rightarrow \\ - \underline{237,115} \rightarrow \end{array}$$

$$\begin{array}{r} 3. 856,463 \rightarrow \\ - \underline{436,445} \rightarrow \end{array}$$

$$\begin{array}{r} 4. 572,774 \rightarrow \\ - \underline{325,176} \rightarrow \end{array}$$

$$\begin{array}{r} 5. 656,432 \rightarrow \\ - \underline{389,239} \rightarrow \end{array}$$

Assessment/Reflection:

Were you able to get all the correct answers? What did you do to get the answer?

Activity No. 16: CHECK UP

Duration: 10 Minutes

Instructions: Estimate the difference. Write the letter of the correct answer.

TASK 1:

- | | | | |
|--|------------|------------|------------|
| 1. $567\,230 - 148\,770$
A. 500 000 | B. 400 000 | C. 300 000 | D. 200 000 |
| 2. $873\,234 - 237\,225$
A. 500 000 | B. 600 000 | C. 700 000 | D. 800 000 |
| 3. $352\,882 - 167\,407$
B. 200 000 | B. 300 000 | C. 400 000 | D. 500 000 |
| 4. $675\,886 - 456\,737$
A. 500 000 | B. 400 000 | C. 300 000 | D. 200 000 |
| 5. $447\,726 - 128\,833$
A. 300 000 | B. 400 000 | C. 500 000 | D. 600 000 |

Instruction: Estimate the difference.

TASK 2:

- | | | |
|---|--|---|
| 6. $858\,536 \rightarrow$
- <u>346 644</u> $\rightarrow$ | 7. $564\,345 \rightarrow$
- <u>411 326</u> $\rightarrow$ | 8. $941\,226 \rightarrow$
- <u>678 765</u> $\rightarrow$ |
| 9. $823\,541 \rightarrow$
- <u>342 337</u> $\rightarrow$ | 10. $234\,447 \rightarrow$
- <u>111 793</u> $\rightarrow$ | |

Assessment/Reflection:

Did you make any mistakes in doing the activity? Why?

Activity No. 17: MORE PRACTICE

Duration: 5 minutes

Instructions: Estimate the difference by rounding off the numbers to the highest place value.

1. 941 674 and 183 400
2. 748 225 and 456 559
3. 407 235 and 107 871
4. 745 349 and 576 691
5. 548 006 and 206 667

Assessment/Reflection:

Explain what you did to get the correct answer.
