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DepED
DEPARTMENT OF EDUCATION

Lesson Exemplar for Mathematics

Quarter 1
Week
8

DepED MATATAG
BAGONG PILIPINAS
ONE NCR STRONGER TOGETHER

Lesson Exemplar for Mathematics Grade 1
Quarter 1: Week 8

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MATATAG **K to 10 Curriculum** **Weekly Lesson Log**	School		Grade Level	One
	Name of Teacher		Learning Area	Mathematics
	Teaching Dates and Time		Quarter	1

	DAY 1	**DAY 2**	**DAY 3**	**DAY 4**
I. CURRICULUM CONTENT, STANDARDS, AND LESSON COMPETENCIES				
A. *Content Standards*	The learners should have the knowledge and understanding of addition of numbers with sums up to 20.			
B. *Performance Standards*	By the end of the quarter, the learners can compare and order numbers up to 20 and perform addition of numbers with sums up to 20			
C. *Learning Competencies*	• Illustrate by applying the following properties of addition, using sums up to 20: a. the sum of zero and any number is equal to the number; and, b. changing the order of the addends does not change the sum. • Solve problems (given orally or in pictures) involving addition with sums up to 20.	• Illustrate by applying the following properties of addition, using sums up to 20: a. the sum of zero and any number is qual to the number; and, b. changing the order of the addends does not change the sum. • Solve problems (given orally or in pictures) involving addition with sums up to 20.	• Illustrate by applying the following properties of addition, using sums up to 20: a. the sum of zero and any number is equal to the number; and, b. changing the order of the addends does not change the sum. • Solve problems (given orally or in pictures) involving addition with sums up to 20.	• Illustrate by applying the following properties of addition, using sums up to 20: a. the sum of zero and any number is equal to the number; and, b. changing the order of the addends does not change the sum. • Solve problems (given orally or in pictures) involving addition with sums up to 20.
c. *Learning Objectives*	At the end of the lesson, the learners should be able to apply the order property of addition.	At the end of the lesson, the learners should be able to apply the zero properties of addition.	At the end of the lesson, the learners should be able to apply order and zero properties in memorizing addition facts.	At the end of the lesson, the learners should be able to solve problems involving addition of numbers 1 up to 20
E. *Instructional Design framework feature (s)*	Collaboration, Connection, Context, Creativity	Collaboration, Connection, Context, Creativity	Collaboration, Connection, Context, Creativity	Collaboration, Connection, Context, Creativity

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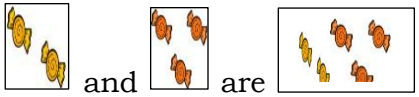
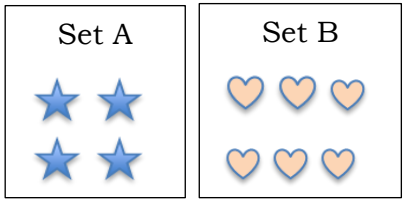
F. *21st Century Skills*	Visual, Reflective Thinking, and Interactive Literacy	Visual, Reflective Thinking, and Interactive Literacy	Visual, Reflective Thinking, and Interactive Literacy	Visual, Reflective Thinking, and Interactive Literacy
II. CONTENT				
III. LEARNING RESOURCES				
A. References				
B. Other Learning Resources				
IV. TEACHING AND LEARNING PROCEDURES				
Before/Pre-Lesson Proper				
Activating Prior Knowledge	Directions: Answer the following: 1. What is the addition sentence for the given picture story?  and are 2. If you combine the pictures from Set A and Set B, what is the total number of pictures?  3. What is the result if you put together the 5 red balloons and 4	Directions: Write an addition sentence that shows the order property of the addition sentence on the left. A. 3 + 6 = __ + ___ 9 = 9 C. 8 + 7 = ___ + ___ 15 = 15 D. 9 + 3 = __ + ___ 12 = 12	Directions: Tell whether the Addition sentence shows **Order Property** or **Zero Property** of Addition. A. 9 + 0 = 9 B. 2+ 5 = 5 + 2 7 = 7 C. 7 + 3 = 3 + 7 10 = 10 D. 0 + 11 = 11 E. 18 + 0 = 18	Directions: Using flashcards, let the learners give the sum for each addition sentence. A. 2+ 5 B. 9 + 8 C. 7 + 6 D. 9 + 9 E. 1 + 8

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	white balloons? 4. What is the sum of 8 + 7? 5. What is 10 and 6 more?			
Lesson Purpose/ Intention	To make the learners realize that changing the position of the addends of an addition sentence does not affect the sum	To make the learners realize that when zero is added to a number, or a number is added to zero, the sum will be the given number.	To make the learners realize that one can apply the concept of Order property and Zero properties in memorizing Addition facts	To make the learners understand the steps in solving word problems involving addition.
Lesson Language Practice	Addition, changing, order property, position	Addition, changing, order property, zero property	Addition, changing, order property, zero property, Addition facts	Addition, changing, order property, zero property, Addition facts, solving word problem
During/Lesson Proper				
Reading the Key Idea/ Stem	Myka and Tina went to Agora Market to buy their favorite fruits. Myka bought 6 mangoes and 4 papayas. Tina bought 4 oranges and 6 bananas. Each girl put the fruits they bought in their basket.	Allen has one blue box and one red box. The blue box has 8 old toys while the red box is empty. He puts the boxes in the stock room.	Teacher Rose had a game in Grade 1-Sampaguita on Addition of numbers with the sum up to 20. Bella and Mira were the first pair in the game. Mira answered 8 while Bella answered 2 out of the 10 questions. Mira won the game.	It was Amira's 7th birthday last Sunday. There were 6 boys and 9 girls among her classmates who attended her party. They joined in the different games and had fun together. How many classmates in all attended Amira' Birthday Party?
Developing Understanding of the Key Idea/ Stem	Ask the learners to answer the following questions: 1. Why did Myka and Tina go to Agora Market? 2. What fruits did each girl buy? 3. The two girls bought their favorite fruits. If you were asked to buy fruits, what fruits	Ask the learners to answer the following questions: 1. Who has two boxes? 2. Describe the two boxes. 3. If you have old toys, will you put them in the box and keep them in the stockroom? Why?	Ask the learners to answer the following questions: 1. What did Teacher Rose do with her Grade 1-Sampaguita pupils? 2. How many correct answers did Bella/Mira get? Who won the game?	Let the learners answer the questions: 1. Whose 7th birthday was it last Sunday? 2. How many boys and girls among her classmates attended the party? 3. Why did the children have fun together?

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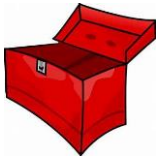
	would you buy?		3. Do you also want to win in a game? What should you do to win?	
Deepening Understanding of the Key Idea/ Stem	Let the learners visualize the Order Property of Addition using the following guide questions: 1. What fruits did Myka buy? (**6 mangoes and 4 papayas**) 2. How many fruits did Myka buy in all? Write the number sentence. (**6 + 4 = 10**) 3. What fruits did Tina buy? (**4 oranges and 6 bananas**) 4. How many fruits did she buy in all? Write the number sentence. (**4 + 6 = 10**) 5. In the first addition sentence 6+4=10 and in the second addition sentence 4+6 =10. Why do you think the two addition sentences get the same sum?	Let the learners visualize the Zero Property of Addition using the following guide questions: 1. How many toys are there inside the blue box? 2. What can you say about the red box? 3. Write the Addition sentence to show the contents of the two boxes.  and  (**8 + 0 = 8**) 4. Why is the sum still 8? (because the red box is empty) This is called **Zero Property of Addition** 5. Give exercises on Zero Property of Addition.	Let the learners realize the advantage of using the Order and Zero properties in adding numbers. 1. Why did Mira win the game against Bella? 2. What did Mira use or apply to give the correct answers? 3. Are learning the properties of addition such as Order and Zero properties important? Why? 4. Give exercises in Addition by asking the pupils to answer the window cards in Addition # 2.	Let the learners learn the steps in solving word problems. 1. What is asked? **Number of Amira's classmates who attended the party** 2. What are given? **6 boys, 9 girls** 3. What is the word clue? **in all** 4. What is the operation to be used? **Addition** 5. What is the number sentence? **6 + 9 = N** 6. What is the solution? **6 + 9 = 15** 7. What is the answer? **15 classmates in all** Give more exercises on solving word problems involving Addition following the steps. (**LAS 4 Problem Solving 1**)

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	(**Because the addends of the two addition sentences are the same numbers. The addends just changed their position or order**). This is called **Order Property of Addition.** 6. Give more examples to show the Order Property of Addition. A. Write the sum for each Addition sentence. 3 + 5 = 5 + 3 ☐ = ☐ B. Give another addition sentence to show the Order Property of Addition 2 + 7 = ___ + ___ 9 + 9	6. Give the sum of the following: A. 9 + 0 =____ B. 0 + 5 = ____ C. 7 + 0 = ____		
After/Post-Lesson Proper				
Making Generalizations and Abstractions	What is Order Property of Addition? **Order Property of Addition** tells us that changing the order or position of the addends of an addition sentence does not change the sum.	What is Zero property of Addition? **Zero Property of Addition** tells us that when zero is added to a number, or a number is added to zero, the sum will be the given number.	Why is it important to apply order and zero properties in memorizing addition facts? One needs to use or apply **Order and Zero Properties of Addition** in memorizing Addition facts for him/her to be able to give the correct sum in addition equations.	How do we solve word problems involving Addition? We solve word problems involving addition by following the steps: 1. What is asked? 2. What are given? 3. What is the word clue? 4. What is the operation to

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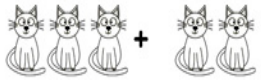
				be used? 5. What is the number sentence? 6. What is the solution? 7. What is the answer?
Evaluating Learning	Write the missing number to show the **Order Property of Addition.** A. 6 + 2 = 2 + 6 ____ = _____ B. 3 + 7 = 7 + ___ 10 = 10 C. 8 + ___ = 4 + 8 12 = 12 D. 4 + 5 = ___ + ___ 9 = 9 E. 8 + 2 = 2 + 8 ____ = _____	Write the correct answer on the line before the number. __1. What is the sum of 8 + 0 =? __2. What is the missing number in 6 + ___ = 6? __3. What will you add to 0 to get the sum of 9? __4. What is 0 + 11? __5. What is the sum of 15 + 0 =?	Give the answer. A. 12 + 0 = ____ B. If 4 + 8 = 12, what is 8 + 4? C. Give the order property of 3 + 6 = 9 D. What is the sum in 5 + 6 = 6 + 5? E. What is 0 + 20?	Solve the word problem. Annie has 7 balloons while Marie has 5 blue balloons. How many balloons do the two girls have altogether? 1. Asked: _____ 2. Given: _____ 3. Word clue: _____ 4. Operation to be used: _____ 5. Number sentence: _____ 6. Solution: _____ 7. Answer: _____
Additional Activities for Application or Remedial (if applicable)	1. Write 2 Addition sentences for the given pictures to show the Order Property of Addition. a.  ___ + ___ = ___ + ___	1. Draw sets of toys to show the given addition sentence. A. 8 + 0 = 8 ☐ + ☐ B. 0 + 4 = 4 ☐ + ☐ C .0 + 6 = 6 ☐ + ☐ D. 9 + 0 = 9 ☐ + ☐ E. 5 + 0 = 5 ☐ + ☐	Let the learners answer **LAS 6 and 7**	1. Solve the word problem following the steps. Andrea picked 8 roses and 5 Rosal from the garden and placed them in her new vase. How many flowers are there in all in the vase? 2. Let the learners answer **LAS 4 Problem Solving 2**)

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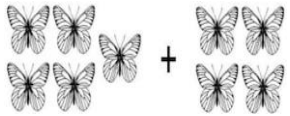
	b.  ___ + ___ = ___ + ___ 2. Let the learners answer **LAS 2**	2. Let the learners answer **LAS 3**		
Remarks				
Reflection				

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