GRADES 1 to 12 DAILY LESSON LOG	School:	Visit DepEdResources.com for More	Grade Level:	VI
	Teacher:	File created by Ma'am MARIA VICENTA T. VERANO	Learning Area:	MATHEMATICS
	Teaching Dates and Time:	JANUARY 8 – 12, 2024 (WEEK 8)	Quarter:	2ND QUARTER

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
I. OBJECTIVES					
A. Content Standard	The learner demonstrate understanding of order of operations, ratio and proportion, percent, exponent, and integers				
B. Performance Standard	The learner is able to apply knowledge of order of operations, ratio and proportion, percent, exponent, and integers in mathematical problems and real-life situations				
C. Learning Competencies / Objectives	Describe and interpret subtraction of integers using materials such as algebra tiles, counters, chips and cards **(M6NS-IIh-155)** Perform subtraction on integers	Describe and interpret subtraction of integers using materials such as algebra tiles, counters, chips and cards **(M6NS-IIh-155)** Perform subtraction on integers	Solve routine and non-routine problems involving subtraction of integers **(M6NS-IIj-157)**	Describe and interpret multiplication and division of integers using materials algebra tiles, counters, chips, and cards **(M6NS-IIh-155)** Perform multiplication and division on integers **(M6N6-Iii-156)**	Describe and interpret multiplication and division of integers using materials algebra tiles, counters, chips, and cards **(M6NS-IIh-155)** Perform multiplication and division on integers **(M6N6-Iii-156)**
II. CONTENT	**Numbers and Number Sense**	**Numbers and Number Sense**	**Numbers and Number Sense**	**Numbers and Number Sense**	**Numbers and Number Sense**
III. LEARNING RESOURCES					
A. References					
1. Teacher's Guide pages	21st Century Mathletes 6, pp 53-56	21st Century Mathletes 6, pp 53-56	21st Century Mathletes 6, pp 53-56	21st Century Mathletes 6, pp 56-60	21st Century Mathletes 6, pp 56-60
2. Learner's Materials pages					
3. Textbook pages	21st Century Mathletes 6, pp158-165	21st Century Mathletes 6, pp158-165	21st Century Mathletes 6, pp158-165	21st Century Mathletes 6, pp 166-168	21st Century Mathletes 6, pp 166-168
4. Additional Materials from Learning Resource (LR) Portal					
B. Other Learning Resources	Mathletes 6 textbook, video clip, power point presentation	Mathletes 6 textbook, video clip, power point presentation	Mathletes 6 textbook, video clip, power point presentation	Mathletes 6 textbook, video clip, power point presentation	Mathletes 6 textbook, video clip, power point presentation
IV. PROCEDURES					
A. Reviewing previous lesson or presenting the new lesson	Drill: Give the opposite of each given integer. 1. +10 2. -7 3. -23 4. +18 5. -45	Drill: Give the opposite of each given integer. 1. +10 2. -7 3. -23 4. +18 5. -45	Drill: Give the opposite of each given integer. 1. +15 2. -9 3. -34 4. +28 5. -95	Drill: Perform multiplication on each pair of numbers. 1. 12 and 4 2. 7 and 3 3. 15 and 9 Review:	Drill: Perform multiplication on each pair of numbers. 1. 12 and 4 2. 7 and 3 3. 15 and 9 Review:

	Review: Give the sum of the given pair of integers. 1. (+120) + (-135) 2. (-191) + (-83) 3. (-72)+ (+ 240)	Review: Give the sum of the given pair of integers. 1. (+120) + (-135) 2. (-191) + (-83) 3. (-72)+ (+ 240)		Determine if the following pairs of integers have like signs or unlike signs. 1. (+7) and (-12) 2. (-4) and (-9) 3. (-5) and (-30) 4. (+2) and (-11) 5. (+56) and (+18)	Determine if the following pairs of integers have like signs or unlike signs. 1. (+7) and (-12) 2. (-4) and (-9) 3. (-5) and (-30) 4. (+2) and (-11) (+56) and (+18)
B. Establishing a purpose for the lesson	The temperature in Baguio City was 12 ^{0}Celsius in the morning. It dropped to 8^{0}Celsius in the evening. What is the difference between these temperatures?	The temperature in Baguio City was 12 ^{0}Celsius in the morning. It dropped to 8^{0}Celsius in the evening. What is the difference between these temperatures?	John and Carl participated in a race. John ran a distance of 6 km. Carl ran a distance of 5 km. What was the difference in the distance they ran in the race?	After a community campaign on reducing waste, the amount of garbage in Rita's household decreased by 2 kg per day. By how much will their garbage decrease after 6 days? What is the average reduced waste by each person in Rita's household if there are four of them in the family?	After a community campaign on reducing waste, the amount of garbage in Rita's household decreased by 2 kg per day. By how much will their garbage decrease after 6 days? What is the average reduced waste by each person in Rita's household if there are four of them in the family?
C. Presenting Examples/Instances of new lesson	To get the difference between the two temperatures, we need to subtract 8^{0}Celsius from 12^{0}Celsius. What is the equation representing this situation? Subtracting Integers is adding the opposite of the subtrahend to the minuend.	To get the difference between the two temperatures, we need to subtract 8^{0}Celsius from 12^{0}Celsius. What is the equation representing this situation? Subtracting Integers is adding the opposite of the subtrahend to the minuend.	What change in temperature does a worker experience in a grocery when he goes from the vegetable section at 4^{0}C to the meat section with a temperature of -18^{0}C?	Ask the following questions. What integer will represent the decrease in garbage in a day? Cont. refer to Mathletes 6 Teachers Manual p.57 Original File Submitted and Formatted by DepEd Club Member - visit depedclub.com for more	Ask the following questions. What integer will represent the decrease in garbage in a day? Cont. refer to Mathletes 6 Teachers Manual p.57
D. Discussing new concepts and practicing new skills #1	Show a video clip on Subtracting Integers	Show a video clip on Subtracting Integers	What is asked? What are the given facts? What is the solution?	Show a video clip on multiplying and dividing integers.	Show a video clip on multiplying and dividing integers.
E. Discussing new concepts and practicing new skills #2	Discuss Mathletes 6 Textbook Explain pp. 158-160	Discuss Mathletes 6 Textbook Explain pp. 158-160	Discuss the content on pages 150-162 of their Mathletes Textbook	Discuss the content on pages 166-171 of their Mathletes Textbook	Discuss the content on pages 166-171 of their Mathletes Textbook
F. Developing mastery (Leads to Formative Assessment)	Subtract the following Integers 1. (-8) – (-7)= 2. (+11)- (+8)= 3. (-13) –(+13)= 4. (+9) – (-4) = 5. (+5) – (-5) =	Write the opposite of each integer. 1. +2 2. -17 3. -56 4. -89 5. +5	Have a pair activity to solve ad discuss this problem. The sum of two integers is -457. If one of the integers is 192, what is the other integer?	Pair Activity. Find the product. 1. (-8) x (-2) 2. (+3) x (-4) 3. (-5) x (+9) Find the quotient. 1. (-25) ÷ (+5) 2. (+21) ÷ (-3)	Pair Activity. Find the product. 1. (-8) x (-2) 4. (+3) x (-4) 5. (-5) x (+9) Find the quotient. 2. (-25) ÷ (+5) 3. (+21) ÷ (-3)

				3. (-18) ÷ (+ 6)	4. (-18) ÷ (+ 6)
G. Finding practical applications of concepts and skills in daily living	Use the 4-step plan to solve the problem. Marga is in a plane that is flying 12 500 ft above the ground while Renz is in a submarine that is located 450ft below the sea level. What is the distance between the locations of Marga and Renz?	Subtract the first integer from the second integer. 1. -5, +8 2. +76 134 + 52 129 3. – 13, -9 4. 101, 93 5. -217, + 710	Group Activity: Solve the problem Group 1 Find two integers whose sum is 2 and whose difference is 8. Group 2 From the ground floor, an elevator goes up 8 floors and then goes down 6 floors. At what floor did the elevator stop? Group 3 One integer is 2 more than 5 times another integer. If the difference of the two integers is 26, what is the smaller integer? Group 4 Anna was born in the year 1995. Id she subtracted her birth year from the birth year of her father, the difference is -30. In what year was her father born?	Use the 4-step plan to solve the problem. Mrs. Tan supports a charity for the children by deducting P350.00 every month from her bank account. What is her total deduction in a year? How much money will the charity receive in 5 years?	Use the 4-step plan to solve the problem. Mrs. Tan supports a charity for the children by deducting P350.00 every month from her bank account. What is her total deduction in a year? How much money will the charity receive in 5 years?
H. Making generalizations and abstractions about the lesson	What do we mean by subtracting an integer? How do we subtract integers?	What do we mean by subtracting an integer? How do we subtract integers?	How do we solve problems involving subtraction of integers?	How do we multiply and divide integers with the same signs? How do we multiply and divide integers with different signs?	How do we multiply and divide integers with the same signs? How do we multiply and divide integers with different signs?
I. Evaluating Learning	Subtract the following integers. 1. (-50) – (+28)= 2. (+19) – (-75)= 3. (-18) – (-12)= 4. (+23)- (+62)= 5. 0 – (+33)=	Subtract the first integer from the second integer. 1. 345, -762 2. -3 985, -4 209 3. -793, + 512 4. -291, 0 5. 10 938, -11 359	Solve each Problem. 1. RJ was able to save P895.00 from his weekly allowance. If he wants to buy a second hand mobile phone for P1050.00, how much more money does he still need? 2. Thea invested P15,000.00. in buying and selling items. After month. She was able to sell the items for a total amount of P18, 350.00. How much did she gain?	Perform the indicated operation. 1. (-12) x (+15) 2. (-4) x (-13) 3. (+9) x (+ 13) 4. (-14) x (+2) 5. $(_{+24})$ X (-3) 6. (+ 144) ÷ (- 8) 7. (- 72) ÷ (+ 18) 8. (-350) ÷ (-7) 9. (+ 120) ÷ (+ 5) 10. (-81) ÷ (+3)	Perform the indicated operation. 11. (-12) x (+15) 12. (-4) x (-13) 13. (+9) x (+ 13) 14. (-14) x (+2) 15. $(_{+24})$ X (-3) 16. (+ 144) ÷ (- 8) 17. (- 72) ÷ (+ 18) 18. (-350) ÷ (-7) 19. (+ 120) ÷ (+ 5) 20. (-81) ÷ (+3)

			3. During summer, Jake weighed 65 kg. When he came back to school, he realized that he lost 3 kg. He lost another 2 kg in December. What was his weight in December?		
J. Additional activities for application and remediation	Find the value of the following. 1 .(-17)- (-19) -21 2. 280 – (-105)- (-134) 3. -13- 15- (-18) 4. (-45)- (-63)-97 5. 79-81-(-83)-(-85)	Math Challenge 1. The sum of two integers is -457. If one of the integers is 192, what is the other integer? 2. Find two integers whose sum is 2 and whose difference is 8.	Solve each problem. 1. Caesar Augustus, the first Roman Emperor, was born in	Find the product 1. 6 x 7 2. (-230 x 0 x 43 3. 17 x (-13) 4. 9 x (-8) x (-3) 5. 17 x (- 18) x 0 x (-19)	Find the quotient. 1. (-56) ÷ (-8) 2. (-120) ÷ 8 3. 144 ÷ (-6) 4. (-420) ÷ (-70) 5. 124 ÷ (-4)
V. REMARKS					
VI. REFLECTIONS					
A. No. of learners who earned 80% on the formative assessment					
B. No. of learners who require additional activities for remediation who scored below 80%					
C. Did the remedial lessons work? No. of learners who have caught up with the lesson					

D. No. of learners who continue to require remediation					
E. Which of my teaching strategies worked well? Why did this work?					
F. What difficulties did I encountered which my principal or supervisor can help me solve?					
G. What innovation or localized materials did I use/discover which I wish to share with other teachers?					