DES 1 to 12 Y LESSON LOG	School:		Grade Level:	IV
	Teacher:		Learning Area:	MATHEMATICS
	Teaching Dates and Time:	NOVEMBER 14 - 18, 2022 (WEEK 2)	Quarter:	2ND QUARTER

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
I. OBJECTIVES					
A. Content Standard/ **Pamantayang Pangnilalaman**	Demonstrates understanding of factors and multiples in a given number as a product of its prime factors		Demonstrates understanding of factors and multiples in a given number as a product of its prime factors	Demonstrates understanding of factors and multiples in a given number as a product of its prime factors	Demonstrates understanding of factors and multiples in a given number as a product of its prime factors
B. Performance Standard **Pamantayan sa Pagganap**	Is able to apply knowledge about factors and multiples in mathematical problems and real- life situations		Is able to apply knowledge about factors and multiples in mathematical problems and real-life situations	Is able to apply knowledge about factors and multiples in mathematical problems and real- life situations	Is able to apply knowledge about factors and multiples in mathematical problems and real- life situations
C. **Learning Competency/Objectives-** Write the LC code for each. **Mga Kasanayan sa Pagkatuto** *Isulat ang code ng bawat kasanayan*	a. Write a number as a product of its prime factors ***M4NS-IIb-67*** b. Find the common factors and the greatest common factor(GCF) of two numbers using the listing method ***M4NS-IIc-68.1***		a. Write a number as a product of its prime factors ***M4NS-IIb-67*** b. Find the common factors and the greatest common factor(GCF) of two numbers using the prime factorization method ***M4NS-IIc-68.1***	a. Write a number as a product of its prime factors ***M4NS-IIb-67*** b. Find the common factors and the greatest common factor(GCF) of two numbers using the continuous division or decomposition method ***M4NS-IIc-68.1***	a. Write a number as a product of its prime factors ***M4NS-IIb-67*** b. Find the common factors and the greatest common factor(GCF) of two numbers using the following methods: listing, prime factorization, and continuous division ***M4NS-IIc-68.1***
I. CONTENT/NILALAMAN	Lesson 27: Finding the Common Factors and the Greatest Common Factor(GCF)		Lesson 27: Finding the Common Factors and the Greatest Common Factor(GCF)	Lesson 27: Finding the Common Factors and the Greatest Common Factor(GCF)	Lesson 27: Finding the Common Factors and the Greatest Common Factor(GCF)
III.LEARNING RESOURCES/ **A.REFERENCES/SANGGUNIAN**	**K to 12 CG in Math 4**		**K to 12 CG in Math 4**	**K to 12 CG in Math 4**	**K to 12 CG in Math 4**
1. Teacher's Guide pages	118-122		118-122	118-122	118-122
2. Learner's Materials pages	89-92		89-92	89-92	89-92
3. Textbook pages					

4. Additional Materials from Learning Resource (LR)portal					
B. Other Learning Resource	Number Cards for the "Naming the Baby" activity		Flashcards , Activity sheets, power point presentation	Flash cards, activity sheets	Activity sheets
IV.PROCEDURES/PAMAMARAAN					
A. Reviewing previous lesson or presenting the new lesson Balik-aral sa nakaraang aralin at/o pagsisismula ng bagong aralin	1.Drill: Have a drill on basic multiplication facts using the game " Naming the Babies" 2. Review : How many prime numbers are there from 1 to 20? What are they?		1. Drill: Use of flashcards Give the factors of the following number. 2. Review: a. Checking of Assignment	1. Drill: Use of flash cards Give the prime factors of the following: 12 15 30 2. Review a. Checking of Assignment	1. Drill: 2. Review a. Checking of Assignment
B. Establishing a purpose for the lesson/ Paghabi sa layunin ng aralin	Show a picture of a boy helping his father in a bakeshop. How do you show helpfulness at home? In school? Is it good to be helpful? Why?		Study this. Write the missing factors in the factor tree. 48 6 x __ 3 x 2 x 2 x 4 3 x __ x __ x __	Give the quotient as fast as you can. 1. 2 / 34 2. 3 / 18 3. 5 /25	Who among you have shared her/his blessings to someone in need? How do you feel?
C. Presenting examples/Instances of the new lesson/ Pag-uugnay ng mga halimbawa sa bagong aralin	Arnel helps his father in their bakeshop. They bake 48 cupcakes and 60 cookies. They plan to pack them separately in a small boxes. What is the biggest number of cupcakes and cookies that can be placed in boxes if these are of the same number?		Present the problem in Explore and Discover, LM p. 89 To answer the problem , used the Prime factorization method. (Teacher shows how it is being done)	Present again the problem in Explore and Discover, LM p. 89 We are going to find the GCF by using the continuous division or decomposition method. **3** / 12 18 **2** / 4 6 2 3 1. Use only prime numbers as your divisor. Divide the numbers by the prime number 3 2. Write the quotient below 12 and 18 3. Divide 4 and 6 by prime number 2 4. Continue the process until the quotients are not divisible by the same prime number. 5. Multiply the divisors	Group Activity: Give each group an activity sheet. Direction: Do you want to share your blessings with the less fortunate? If Yes, call the number formed by the GCF of the pairs of numbers and share your gifts to someone in need. (Use any of the 3 methods we have studied to find the GCF). (Give the groups more time to finish the activity.) (Please see the activity sheet in the last page) Original File Submitted and Formatted by DepEd Club

				3 x 2 = 6 The GCF of 12 and 18 is 6.	Member - visit depedclub.com for more
D. Discussing new concepts and practicing new skills # 1 . Pagtalakay ng bagong konsepto at paglalahad ng bagong kasanayan #1	How are we going to solve for the answer? To answer this problem, we find the Greatest Common factor (GCF) of 48 and 60. (Teacher shows how the listing method being done)			Give another example. Call 1 or 2 pupils to find the GCF using the decomposition method. Let the pupil explains how he get his answer. (Encourage pupils to ask questions)	Let the leaders of the group present their output to the class. Encourage them to discuss Their answers.
E. Discussing new concepts and practicing new skills # 2 Pagtalakay ng bagong konsepto at paglalahad ng bagong kasanayan #2	Cooperative Learning: Pair square/4members in each group Find the common factors and the GCF of 15 and 20?		Group Activity: Give activity sheets to each group. Find the prime factors of a. 12 and 14 b. 20 and 30 c. 15 and 35	Group Activity Group the pupils into 6 working teams. Give each group an activity card/sheet. Direction: Find the GCF of the following pair of numbers using continuous division or decomposition method,	Individual Activity. Answer exercise A and B under Keep Moving , LM p. 91
F. Developing mastery (leads to Formative Assessment 3) Paglinang sa Kabihasaan	How did you get your answer? What method did you use?		Individual activity: Give the prime factors of : 8 = 12 = Common Prime Factors: GCF:	Individual Activity: Use the continuous division or decomposition method to find the GCF. 1. 16 and 20 2. 36 and 12	
G. Finding practical application of concepts and skills in daily living Paglalapat ng Aralin sa pang-araw-araw na buhay	Solve the problem by using the listing method. Sandy's vegetable store had 24 customers in the morning and 16 customers in the afternoon. What was the largest number of customers who went so that every hour had the same number of customers?		Solve the problem using prime factorization method. One basket has 48 tomatoes and another basket has 36 tomatoes. What is the largest number of tomatoes that can be placed in each basket so that each basket will have the same number of tomatoes?	Solve the problem using the continuous division. Mama wants to divide the potatoes she brought home from Baguio among her children. She has 28 potatoes in one plastic bag and 21 potatoes in another plastic bag. She wants an equal number of potatoes for each child. What is the greatest number each child can get?	Answer exercises under Apply Your Skills on LM page 92 .

H. Making generalizations and abstractions about the lesson	What do you mean by common factors? GCF? What method did you use to find the GCF of two or more numbers?		What do you call the process of writing a number as a product of its prime factors?	How is continuous division or decomposition method being done?	How do we find the GCF of two given numbers?
I. Evaluating learning	Find the GCF of each pair of numbers using the listing method. 1. 10 and 15 2. 18 and 21 3. 12 and 24 4. 8 and 20 5. 14 and 28		Find the GCF of the following using prime factorization method. 1. 12 and 18 2. 24 and 16 3. 20 and 40 4. 25 and 10 5. 30 and 42	Use the continuous division to find the GCF of the pairs of numbers. 1. /16 8 2. /12 20 3. / 15 30 4. /27 36 5. / 20 35	Assessment Do the following activities. TG, p. 121
J. Additional activities for application or remediation	Answer Get Moving Exercise B. LM p. 90		Answer Get Moving Exercise A LM, p. 90	What is the GCF of the following pair of numbers? 1. 12 and 14 2. 20 and 50 3. 32 and 24	Home Activity TG p. 121 Find the GCF using any method that have learned

V.REMARKS					
VI.REFLECTION					
A. No. of learners who earned 80% in the evaluation	___ of Learners who earned 80% above	___ of Learners who earned 80% above	___ of Learners who earned 80% above	___ of Learners who earned 80% above	___ of Learners who earned 80% above
B. No. of learners who require additional activities for remediation who scored below 80%	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation
C. Did the remedial lessons work? No. of learners who have caught up with the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson

D.	No. of learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation
E.	Which of my teaching strategies worked well? Why did these work?	*Strategies used that work well:* ___ Group collaboration ___ Games ___ Power Point Presentation ___ Answering preliminary activities/exercises ___ Discussion ___ Case Method ___ Think-Pair-Share (TPS) ___ Rereading of Paragraphs/ Poems/Stories ___ Differentiated Instruction ___ Role Playing/Drama ___ Discovery Method ___ Lecture Method *Why?* ___ Complete IMs ___ Availability of Materials ___ Pupils' eagerness to learn ___ Group member's Cooperation in doing their tasks	*Strategies used that work well:* ___ Group collaboration ___ Games ___ Power Point Presentation ___ Answering preliminary activities/exercises ___ Discussion ___ Case Method ___ Think-Pair-Share (TPS) ___ Rereading of Paragraphs/ Poems/Stories ___ Differentiated Instruction ___ Role Playing/Drama ___ Discovery Method ___ Lecture Method *Why?* ___ Complete IMs ___ Availability of Materials ___ Pupils' eagerness to learn ___ Group member's Cooperation in doing their tasks	*Strategies used that work well:* ___ Group collaboration ___ Games ___ Power Point Presentation ___ Answering preliminary activities/exercises ___ Discussion ___ Case Method ___ Think-Pair-Share (TPS) ___ Rereading of Paragraphs/ Poems/Stories ___ Differentiated Instruction ___ Role Playing/Drama ___ Discovery Method ___ Lecture Method *Why?* ___ Complete IMs ___ Availability of Materials ___ Pupils' eagerness to learn ___ Group member's Cooperation in doing their tasks	*Strategies used that work well:* ___ Group collaboration ___ Games ___ Power Point Presentation ___ Answering preliminary activities/exercises ___ Discussion ___ Case Method ___ Think-Pair-Share (TPS) ___ Rereading of Paragraphs/ Poems/Stories ___ Differentiated Instruction ___ Role Playing/Drama ___ Discovery Method ___ Lecture Method *Why?* ___ Complete IMs ___ Availability of Materials ___ Pupils' eagerness to learn ___ Group member's Cooperation in doing their tasks	*Strategies used that work well:* ___ Group collaboration ___ Games ___ Power Point Presentation ___ Answering preliminary activities/exercises ___ Discussion ___ Case Method ___ Think-Pair-Share (TPS) ___ Rereading of Paragraphs/ Poems/Stories ___ Differentiated Instruction ___ Role Playing/Drama ___ Discovery Method ___ Lecture Method *Why?* ___ Complete IMs ___ Availability of Materials ___ Pupils' eagerness to learn ___ Group member's Cooperation in doing their tasks
F.	What difficulties did I encounter which my principal or supervisor can help me solve?	__ Bullying among pupils __ Pupils' behavior/attitude __ Colorful IMs __ Unavailable Technology Equipment (AVR/LCD) __ Science/ Computer/ Internet Lab __ Additional Clerical works __Reading Readiness __Lack of Interest of pupils	__ Bullying among pupils __ Pupils' behavior/attitude __ Colorful IMs __ Unavailable Technology Equipment (AVR/LCD) __ Science/ Computer/ Internet Lab __ Additional Clerical works __Reading Readiness __Lack of Interest of pupils	__ Bullying among pupils __ Pupils' behavior/attitude __ Colorful IMs __ Unavailable Technology Equipment (AVR/LCD) __ Science/ Computer/ Internet Lab __ Additional Clerical works __Reading Readiness __Lack of Interest of pupils	__ Bullying among pupils __ Pupils' behavior/attitude __ Colorful IMs __ Unavailable Technology Equipment (AVR/LCD) __ Science/ Computer/ Internet Lab __ Additional Clerical works __Reading Readiness __Lack of Interest of pupils	__ Bullying among pupils __ Pupils' behavior/attitude __ Colorful IMs __ Unavailable Technology Equipment (AVR/LCD) __ Science/ Computer/ Internet Lab __ Additional Clerical works __Reading Readiness __Lack of Interest of pupils
G.	What innovation or localized materials did I use/discover which I wish to share with other teachers?	*Planned Innovations:* __ Localized Videos __ Making use big books from views of the locality __ Recycling of plastics to be used as Instructional Materials __ local poetical composition __Fashcards __Pictures	*Planned Innovations:* __ Localized Videos __ Making use big books from views of the locality __ Recycling of plastics to be used as Instructional Materials __ local poetical composition __Fashcards __Pictures	*Planned Innovations:* __ Localized Videos __ Making use big books from views of the locality __ Recycling of plastics to be used as Instructional Materials __ local poetical composition __Fashcards __Pictures	*Planned Innovations:* __ Localized Videos __ Making use big books from views of the locality __ Recycling of plastics to be used as Instructional Materials __ local poetical composition __Fashcards __Pictures	*Planned Innovations:* __ Localized Videos __ Making use big books from views of the locality __ Recycling of plastics to be used as Instructional Materials __ local poetical composition __Fashcards __Pictures