



Lesson Exemplar for Mathematics

Quarter 3 Lesson

COVERIMENT PROPERTY E

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IMPLEMENTATION OF THE MATATAG K TO 10 CURRICULUM

Lesson Exemplar for Mathematics Grade 4 Quarter 3: Lesson 2 (Week 2) SY 2024-2025

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MATHEMATICS / QUARTER 3 / GRADE 4

I. CURRICULUM CONTENT, STANDARDS, AND LESSON COMPETENCIES						
A. Content Standards	 The learner should have knowledge and understanding of 1. equivalent fractions 2. factors and multiples up to 100 					
B. Performance Standards	By the end of the quarter, the learners are able to • find factors and multiples of numbers up to 100					
C. Learning Competencies and Objectives	 Identify the multiples of given numbers up to 100. Use multiples in finding equivalent fractions. Find all the factors of a given number up to 100. 					
D. Content	Identifying multiples of given numbers up to 100 Using multiples of a given number up to 100 in determining equivalent fractions Factoring a given number up to 100					
E. Integration	Concept of Equality and Fairness					

II. LEARNING RESOURCES

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III. TEACHING AND LEAT	RNING PR	OCED	URE											NOTES TO TEACHERS
A. Activating Prior Knowledge	DAY 1 1. Short I Drill. TI Whole I Wha Wha Wha Wha Using C Give th	Revie he tea Numb t is 4 t is 20 t is 10 t is 10 t is 10 colore e mis	w acher bers. x 5?)÷2?)÷2?)÷5? 1 x 3? 4 x 3? d Mu sing	will g 20 10 70 14 9 42 a <i>ltiplice</i> numb	ive dr nd so ation	rills of on Table o com	n Con	tinuo.	us M	ultipli	icatio n tab	n and l	Division of	The teacher gives a multiplication sentence to a pupil, who then provides an answer. Depending of the pupil's response, the teacher provides a division sentence, continuing this alternating pattern. Options for teachers: • Availability of Laptop and TV/DLP The teacher may flash the
			1	2	3	4	5	6	7	8	9	10		an available laptop and TV/DLP. Volunteers will be
	1 2 3 4	1	1	2	3	4	5	6	7	8	9	10		called to give the missing number.
		2		4	6	8	10	12	14	16	18	20		• Use of Manila paper/Carolina/Cardboard
		3		6	9	12	15	18	21	24	27	30		Teacher may draw the multiplication table to be posted on the board.
		4	4		12	16	20	24	28	32	36	40		
		5	5		15		25	30	35	40	45	50		The teacher must ensure that all pupils including those seated at
		6	6	12		24		36	42	48	54	60	_	the back can see the numbers in the multiplication table.
		7		14	21		35		49	56	63	70		Emphasize that aside from its
		8	8		24				56	64	72	80		primary use for multiplication, the multiplication table can also be a
		9	9	18			45		63	72	81	90		valuable tool for learning division. For instance, consider the
		10	10	20		40		60		80		100		example $56 \div 7 = 8$.

	 The teacher will ask the following: Closely look at the number in the green boxes (italic) and the blue boxes (bold). What have you noticed? Same numbers What have you noticed with the numbers in the orange box (with bigger font size)? They are products of numbers multiplied by themselves. What other patterns do you see? Feedback (Optional)	Note: You may use the same multiplication table during the discussion on multiples. Mastering multiplication and division is essential as this skill serves the foundation for various math applications. Thus, the multiplication table teaches us multiplication and is equally valuable for learning division.
B. Establishing Lesson Purpose	 1. Lesson Purpose Our previous sessions explored equivalent fractions through visual models such as fraction strips/bars, fraction circles/disks, and number lines. Aside from these models, there are other methods for generating equivalent fractions and ascertaining their equivalence. However, before this, we must discuss another important lesson that is a prerequisite to understanding equivalent fractions without relying on visual models. Have you heard the word, "multiples"? What is the first word that comes to your mind when you hear "multiples"? Do the same technique in unlocking the word, "factors." Cunlocking Content Area Vocabulary A multiple is a number that we get when a number is multiplied by a natural or counting number. A factor of a number is a divisor of the given number that divides it completely, without leaving any remainder. 	The teacher may use concept mapping to organize the words elicited from the pupils. From the answers of pupils, unlock the word "multiple" and "factors".

C. Developing and Deepening Understanding	 SUB-TOPIC 1: IDENTIFYING THE MULTIPLES OF GIVEN NUMBERS UP TO 100 1. Explicitation Encircle the 1st 10 multiples of 2 in the multiplication table. 	The teacher will use the same multiplication table used during the short review.
	2 4 6 8 10 12 14 16 18 20	Ask the pupils to encircle the
	Encircle the 1^{st} 10 multiples of 3 in the multiplication table	either vertically or horizontally
		Do this technique in processing
	3 6 9 12 15 18 21 24 27 30	other examples.
	To process $2 \times 1 = 2 \cdot 2 \times 2 = 4 \cdot 2 \times 3 = 6 \cdot 2 \times 4 = 8$ $2 \times 10 = 20$ therefore	$3 \times 1 = 3$ $3 \times 2 = 6$
	$2, 4, 6, 8, \dots, 20$ are multiples of 2.	$3 \times 2 = 0$ $3 \times 3 = 9$
	• 2, 4, 6, 8,, 20 are the products or results when 2 is multiplied by	$3 \ge 4 = 12$ and so on
	numbers or factors 1, 2, 3, 4,,10.	3, 6, 9, 12,,30 are multiples of
	 We can also notice that 2 is a multiple of itself. Also, you can generate the multiples of a number through skip counting 	3.
	• Also, you can generate the multiples of a number through skip counting.	The teacher will ask the pupils to
	Common Multiples	give the multiples of different
	We can find some of the common multiples of 2 and 3 by listing them. Multiples of 2 are $2.4.6$, $8.10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 20$	numbers found in the multiplication
	Multiples of 3 are 3, 6, 9, 12, 15, 18, 21, 24, 20, 22, $\underline{24}$, 20, 26, $\underline{30}$ Multiples of 3 are 3, 6, 9, 12, 15, 18, 21, 24, 27, 30	lable.
	The common multiples of 2 and 3, up to 30 are 6 , 12 , 18 , 24 , 30 .	You may ask the pupils to give the
	Based on the examples, how do we get the common multiples of given	multiples of a given number up to
	numbers?	100 verbally or to be written on
	• List the multiples of a given number by multiplying the number by another number or skip count.	board.
	• Identify the common multiple from the list.	Emphasize that common
		multiples extend infinitely, but
	2. Worked Example Let us get the common multiples of the following numbers up to 100 only	multiples up to 100 for this
	a. What are the common multiples of 3 and 9?	lesson.
	• Multiples of 3 – 3, 6, 9 , 12, 15, 18 , 21, 24, 27 , 30, 33, 36 , 39, 42,	
	45 , 48, 51, 54 , 57, 60, 63 , 66, 69, 72 , 75, 78, 81 , 84, 87, 90 , 93, 66, 99	Elicit the answers from the pupils.
	 Multiples of 9 – 9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99 	Explain that since 9 is a multiple
	The common multiples of 3 and 9 are 9 , 18 , 27 , 36 , 45 , 54 , 63 , 72 , 81 , 90 , 99 .	of 3, all multiples of 9 are also multiples of 3.

 b. What are the common multiples of 6, 5, 10? Multiples of 6 - 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96 Multiples of 5 - 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100 Multiples of 10 - 10, 20, 30, 40, 50, 60, 70, 80, 90, 100 The common multiples of 6, 5, and 10 are 30, 60, and 90. 	
 c. What are the common multiples of 10, 20, 25? Multiples of 10 - 10, 20, 30, 40, 50, 60, 70, 80, 90, 100 Multiples of 20 - 20, 40, 50, 60, 80, 100 Multiples of 25 - 25, 50, 75, 100 The common multiples of 10, 20, 25 is 100. 	
 d. What are the common multiples of 4, 9, and 12? Multiples of 4 - 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100 Multiples of 9 - 9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99 Multiples of 12 - 12, 24, 36, 48, 60, 72, 84, 96 The common multiples of 4, 9, and 12 are 36 and 72. 	
To apply our lesson on multiples, let us analyze and solve this sample word problem:	
Kelvin installed Christmas lights in front of his house for decoration during the holiday season. These Christmas lights consist of two colors: white and blue. The white lights flash every 3 minutes, while the blue lights flash every 4 minutes. Every after how many minutes do they flash together? At 7:30 PM, all white and blue lights flash together. What time will this happen again?	
 To answer this, we will get the least common multiples of 3 and 4. The white lights flash every 3 minutes while blue lights flash every 4 minutes. Multiples of 3 are 3, 6, 9, <u>12</u> Multiples of 4 are 4, 8, <u>12</u> 	The teacher may initially introduce the least common multiple in this part to give the pupils idea.
Therefore, the lights will flash together after every 12 minutes and they will flash again at 7:42 PM.	smallest common multiple of two or more numbers.

DAY 2					Answer for Lesson Activity:
. Lesso	n Activ	vity			I.
I.	List th the co	e multiples of each mmon multiples of	 Multiples of 5 and 7: Multiples of 5: 5, 10, 15, 20, 		
	No.	Given Number	Multiples	Common Multiple/s	25, 30, 35, 40, 45, 50, 55, 60,
		5			65, 70, 75, 80, 85, 90, 95, 100
		7			• Multiples of 7: 7, 14, 21, 28,
		15			35, 42, 49, 56, 63, 70, 77, 84,
		25			91, 98
		4			• Common Multiples: 35, 70
		6			2 Multiples of 15 and 25:
		8			• Multiples of 15: 15, 30, 45, 60.
		6			75, 90
		9			• Multiples of 25: 25, 50, 75,
		18			100
		24			Common Multiples: 75
		12			2 M-1/21 $(4, 6, 4, 6, 4, 1)$
II. Wh incl AY 3 JB-TOP ETERM Explic	Analyz at is th hes, an PIC 2: IINING	ze and solve the give ne shortest height a nd 18 inches, will b USING MULTIPL EQUIVALENT FR.	en word problem It which three st e equal? ES OF A GIVE ACTIONS	Number up to 100 II	 Multiples of 4: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100 Multiples of 6: 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96 Multiples of 8: 8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96 Common Multiples: 24, 48, 72
Since have le It can equiva equiva show t board	we alre earned be re- lent fr lent us the foll- throug	ady discussed the solution of	 4.Multiples of 6 and 9: Multiples of 6: 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96 Multiples of 9: 9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99 		



Solutions: $a. \frac{3}{4}x\frac{2}{2} = \frac{6}{8} \frac{3}{4}x\frac{3}{3} = \frac{9}{12} \frac{3}{4}x\frac{4}{4} = \frac{12}{16} \frac{3}{4}x\frac{5}{5} = \frac{15}{20} \frac{3}{4}x\frac{6}{6}$	$\frac{18}{24}$
Therefore, $\frac{3}{4} = \frac{6}{8} = \frac{9}{12} = \frac{12}{16} = \frac{15}{20} = \frac{18}{24}$	
$b. \frac{5}{7} x \frac{2}{2} = \frac{10}{14} \frac{5}{7} x \frac{3}{3} = \frac{15}{21} \frac{5}{7} x \frac{4}{4} = \frac{20}{28} \frac{5}{7} x \frac{5}{5} = \frac{25}{35} \frac{5}{7} x \frac{4}{5} = \frac{10}{14} \frac{5}{14} x \frac{5}{14} \frac{5}{14} x \frac{5}{14} = \frac{10}{14} \frac{5}{14} x \frac{5}{14} x \frac{5}{14} \frac{5}{14} x \frac{5}{14} $	$\frac{6}{6} = \frac{30}{42}$
Therefore, $\frac{5}{7} = \frac{10}{14} = \frac{15}{21} = \frac{20}{28} = \frac{25}{35} = \frac{30}{42}$	
$c. \frac{1}{8} x \frac{2}{2} = \frac{2}{16} \qquad \frac{1}{8} x \frac{3}{3} = \frac{3}{24} \qquad \frac{1}{8} x \frac{4}{4} = \frac{4}{32} \qquad \frac{1}{8} x \frac{5}{5} = \frac{5}{40} \qquad \frac{1}{8} x \frac{4}{5} = \frac{5}{16} \qquad \frac{1}{16} x \frac{5}{16} 5$	$\frac{6}{6} = \frac{6}{48}$
Therefore, $\frac{1}{8} = \frac{2}{16} = \frac{3}{24} = \frac{4}{32} = \frac{5}{40} = \frac{6}{48}$	
$d. \frac{4}{9} x \frac{2}{2} = \frac{8}{18} \frac{4}{9} x \frac{3}{3} = \frac{12}{27} \frac{4}{9} x \frac{4}{4} = \frac{16}{36} \frac{4}{9} x \frac{5}{5} = \frac{20}{45} \frac{4}{9} x \frac{5}{9} = \frac{10}{10} \frac{10}{10} x \frac{10}{10} = \frac{10}{10} $	$\frac{6}{6} = \frac{24}{54}$
Therefore $\frac{4}{9} = \frac{8}{18} = \frac{12}{27} = \frac{16}{36} = \frac{20}{45} = \frac{24}{54}$	
$e. \frac{7}{6} x \frac{2}{2} = \frac{14}{12} \frac{7}{6} x \frac{3}{3} = \frac{21}{18} \frac{7}{6} x \frac{4}{4} = \frac{28}{24} \frac{7}{6} x \frac{5}{5} = \frac{35}{30} \frac{7}{6} x \frac{4}{5} = \frac{35}{5} \frac{7}{5} $	$\frac{6}{6} = \frac{42}{36}$
Therefore, $\frac{7}{6} = \frac{14}{12} = \frac{21}{18} = \frac{28}{24} = \frac{35}{30} = \frac{42}{36}$	The teacher will ask the pupils to show the solutions on the board.
Again, how do we generate fractions equivalent to a given fraction To generate equivalent fractions, multiply both the denominator of a given fraction by the same number.	ction? numerator and
Equivalent or Not Equivalent Aside from generating equivalent fractions, we can also check if the given fractions are equivalent without using m representations .	o determine or nodels or visual Reiterate that we can generate more equivalent fractions by continuing to multiply the given fractions with various numbers. This process can extend infinitely.

Find the missing number to make the fractions equivalent. $\begin{array}{ccc} & x & 3 & x & 5 \\ & a. & \frac{2}{5} = \frac{15}{15} & b. & \frac{3}{2} = \frac{15}{15} \\ \end{array}$ Therefore, a. $\frac{2}{5} = \frac{6}{15} & b. & \frac{3}{2} = \frac{15}{10}.$	
To check if these fractions are equivalent, we can use cross multiplication . 30 30	Reiterate also that in so doing, the numerator and denominator should be multiplied by the same number to generate a fraction equivalent to the given.
If, after doing cross multiplication, the products are equal, the fractions are equivalent.	
Check if the pair of fractions are equivalent. a. $\frac{2}{3}$ and $\frac{8}{12}$ Solution: $\frac{2}{3} = \frac{8}{12}$ Equivalent	
b. $\frac{4}{3}$ and $\frac{12}{9}$ 36 36 Solution: $\frac{4}{3} = \frac{12}{9}$ Equivalent	
c. $\frac{3}{8}$ and $\frac{9}{32}$ Solution: $\frac{3}{8} = \frac{9}{32}$ Not Equivalent	
 Again, we can use cross multiplication to determine or check if fractions are equivalent. Based on the examples, how to perform cross multiplication in order to determine if the fractions are equivalent? 1. Multiply the numerator of the 1st fraction by the denominator of the 2nd fraction. 2. Multiply the denominator of the 1st fraction by the numerator of the 2nd fraction. 3. If the products are the same, the fractions are equivalent. 	Explain to the pupils that steps 1 and 2 can be interchanged.
	1

3. Lesson Activity Answer the following. I. Give any five fractions equivalent to the to fractions whose numerator and denoted and the fractions whose numerator and the fractions whose numerato	Lesson Activity Answer the following. I. Give any five fractions equivalent to the given fraction. Limit your answer to fractions whose numerator and denominator are up to 100 only. $1. \frac{3}{5} = 3. \frac{11}{8} = 5. \frac{1}{12} = 2$ $2. \frac{7}{9} = 4. \frac{6}{7} = 2$ II. Using cross multiplication, check whether the fractions are equivalent or not. Write your answer in the blank after the given. $1. \frac{1}{5} = \frac{4}{24}$ $2. \frac{7}{7} = \frac{16}{56}$ $3. \frac{9}{10} = \frac{63}{70}$ Y 4 B-TOPIC 3: FACTORING A GIVEN NUMBER UP TO 100 Activity: I. Answers for the Lesson Activity: I. $13\frac{3}{5} = \frac{6}{10} = \frac{9}{15} = \frac{12}{20} = \frac{15}{25} = \frac{18}{30}$ $2. \frac{7}{9} = \frac{14}{18} = \frac{21}{27} = \frac{28}{36} = \frac{35}{45} = \frac{42}{54}$ $3. \frac{9}{10} = \frac{63}{70}$ Y 4 B-TOPIC 3: FACTORING A GIVEN NUMBER UP TO 100						
 1. Explicitation The teacher may utilize the multiplication table to introduce the factors of given numbers. The teacher will ask the pupils to encircle all the numbers 20 in the multiplication table. The teacher will ask the following: What numbers are multiplied to get Answer: 20 and 1, 5 and 4, 10 a What do you call the numbers being 	x 1 2 3 4 5 6 7 8 9 10 1 1 2 3 4 5 6 7 8 9 10 2 2 4 6 8 10 12 14 16 18 20 3 3 6 9 12 15 18 21 24 27 30 4 4 8 12 16 20 24 28 32 36 40 5 5 10 15 20 25 30 35 40 45 50 6 6 12 18 24 30 36 42 48 54 60 7 7 14 21 28 35 42 49 56 63 70 8 8 16 24 32 40 48 56 64 72 80 9 9 18 27 36 45	 II. 1. Not Equivalent 2. Equivalent 3. Equivalent 4. Not Equivalent 5. Equivalent 5. Equivalent 					

Answer: The numbers being multiplied to get the product are called factors . The teacher may show this on the board: 20 x 1 = 20 10 x 2 = 20 5 x 4 = 20 Factors Product Factors Product Factors Product The factors of 20 are 20, 10, 5, 4, 2, 1 • Since the factors of 20 are 20, 10, 5, 4, 2, and 1, this means that when you divide 20 by each factor, the quotient will not have a remainder. Hence, a factor of a given number will divide that given number precisely without a remainder.	The teacher may ask the pupils what property of multiplication is demonstrated by this example, 10x2 = 2x10 (Recall Commutative Property of Multiplication) Remind students that due to the commutative property of multiplication, the factors of a given number will only be listed once.
2. Worked Example Factor the given numbers. a. 6 b. 8 $6 \ge 1 = 6$ $8 \ge 1 = 8$ $3 \ge 2 = 6$ $4 \ge 2 = 8$ The factors of 6 are 1, 2, 3, 6 The factors of 8 are 1, 2, 4, 8 What are the common factors of 6 and 8? Factors of 6: 1, 2, 3, 6 Factors of 8: 1, 2, 4, 8 Common Factors of 6 and 8: 1, 2 Which of the common factors of 6 and 8 is the greatest? 2	In this part, the teacher may initially introduce the concept of greatest common factor .
a. 12 $12 \ge 12$ $6 \ge 2 = 12$ $4 \ge 3 = 12$ The factors of 12 are 1, 2, 4, 3, 6, 12 What are the common factors of 12 and 18? Factors of 12: $1, 2, 3, 4, \frac{6}{9}, 18$ Common Factors of 12 and 18: $1, 2, 3, 6$ Which of the common factors of 12 and 18 is the greatest? 6	

	c. 24 $24 \ge 1 = 24$ $12 \ge 2 = 24$ $8 \ge 3 = 24$ $6 \ge 4 = 24$ The factors of 24 are 1, 2, 3, 4, 6, 8, $12 \ge 2 = 30$ $10 \ge 3 = 30$ $5 \ge 6 = 30$ The factors of 30 are 1, 2, 3 15, 30 e. 36	, 5, 6, 10,
	$36 \times 1 = 36$ $18 \times 2 = 36$ $12 \times 3 = 36$ $9 \times 4 = 36$ $6 \times 6 = 36$ The factors of 36 are 1, 2, 3, 4, 6, 9, 12, 18, 36 What are the common factors of 24, 30, and 36? Factors of 24: <u>1</u> , <u>2</u> , <u>3</u> , <u>6</u> , 4, 8, 12, 24 Factors of 30: <u>1</u> , <u>2</u> , <u>3</u> , 5, <u>6</u> , 10, 15, 30 Factors of 36: <u>1</u> , <u>2</u> , <u>3</u> , 4, <u>6</u> , 9, 12, 18, 36 Common Factors of 24, 30 and 36: 1 , 2 , 3 , 6 Which of the factors of 24, 30, 36 is the greatest ? 6	 The teacher may ask these questions: Given these examples, what have you observed with the factors of each given number? <i>Factors of each given number consistently include the number itself and 1.</i> What factors are common to all the given numbers? <i>1 is a common factor of two or more numbers.</i>
	 Based on the examples, how do we get the common factors of given not set in the factors of a given number Identify the common factors from the list. 1 as the Common Factor What is/are the common factor/s of 8 and 15? Factors of 8: <u>1</u>, 2, 4, 8 Factors of 15: <u>1</u>, 3, 5, 15 Common Factors of 8 and 15: <u>1</u> 	numbers? The teacher may give examples wherein the common factors of a given number is 1 Make the pupils realize the possibility that the common factor of given numbers is just 1. This can help them better understand the lesson on reducing fractions to the lowest term.

	3. Less Lis ⁻ fact	on Acti t the fac tors of e	vity ctors of each o ach set.	of the given r	Answer for the Lesson Activity: 1. Factors of 9: 1, 3, 9 Factors of 21: 1, 3, 7, 21 Common factors: 1, 3 2. Factors of 22: 1, 2, 11,22		
		No.	Given Numbe	r Facto	ors Con	mmon Factor/s	Factors of 7: 1, 7
		1	9				Common factor: 1
		L	21				3. Factors of 48: 1, 2, 3, 4, 6, 8, 12
		0	22				10, 24, 48
		2	7				$\begin{array}{c} \text{Factors of } 52.1, 2, 4, 8, 10, 52 \\ \text{Common factors: } 1, 2, 4, 8, 16 \\ \end{array}$
		2	48				4. Factors of 16: 1, 2, 4, 8, 16
		5	32				Factors of 20: 1, 2, 4, 5, 10, 20
			16				Factors of 28:1, 2, 4, 7, 14, 28
		4	20				Common factors:1, 2, 4
			28				5. Factors of $25:1, 5, 25$
			25				Factors of $75:1, 2, 5, 10, 25, 50$
		5	50				Common factors:1, 5, 25
			75				
D. Making Generalizations	1. Lear The	ners' Ta teacher	keaways will guide the j	oupils in comp	oleting this tal	ble.	
		Key I	deas/Concepts	What I've Learned from the Discussion	Concepts that are Somewhat Confusing	Concepts I Totally Don't Understand	
		Identi of give to 100	fying multiples en numbers up)				
		Using given 100 in equive	multiples of a number up to determining alent fractions				Explain how equivalent fractions represent the same value though they may look differently, and relate this as a metaphor for
		Facto numb	ring a given er up to 100				fairness and equality in treating
	2. Refl Cite race	ection instanc , skin co	on Learning es when indivi- lor, or family b	duals, regard ackground, a	less of status re treated fair	s, age, gender, religionally.	ion, other people equally regardless of status, race, age, gender, color of skin, family background, religion, etc.

IV. EVALUATING LEARNING: FORMATIVE ASSESSMENT AND TEACHER'S REFLECTION						NOTES TO TEACHERS	
A. Evaluating Learning	DAY 5 1. Form	ative Ass	essment	Answer Key: I. 1) 6 and 9: Multiples of 6: 6, 12, 18, 24, 30			
	No.	Given Number	Multiples up to 100	Common Multiple/s	Factors	Common Factor/s	36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96
	1	6 9					Common multiples: 18, 36, 54, 72, 90
	2	14 28					Factors of 6: 1, 2, 3, 6 Factors of 9: 1, 3, 9 Common factors: 1, 3
	3	12 18 36					 2) 14 and 28: Multiples of 14: 14, 28, 42, 56, 70, 84, 98 Multiples of 28: 28, 56, 84 Common multiples: 28, 56, 84 Factors of 14: 1, 2, 7, 14 Factors of 28: 1, 2, 4, 7, 14, 28 Common factors: 1, 2, 7, 14 3) 12, 18, and 36: Multiples of 12: 12, 24, 36, 48,
	4	9 8					
	5	10 5 20 30					
	II.	Fill in the 1. $\frac{1}{8} = \frac{2}{-} = \frac{2}{-} = \frac{2}{-} = \frac{5}{12} = \frac{10}{-} = \frac{3}{-} = \frac{4}{-} = \frac{-}{-} = \frac{6}{-} = \frac{-}{-} = \frac{-}{-$	missing number $\frac{3}{3} = \frac{5}{32} = \frac{5}{48} = \frac{15}{60} = \frac{30}{60} = \frac{30}{15}$ $\frac{15}{15} = \frac{20}{60} = \frac{16}{60} = \frac{30}{30}$ $\frac{9}{20} = \frac{15}{20} = \frac{15}{15} = \frac{18}{18}$	60, 72, 84, 96 Multiples of 18: 18, 36, 54, 72, 90 Multiples of 36: 36, 72 Common multiples: 36, 72 Factors of 12: 1, 2, 3, 4, 6, 12 Factors of 18: 1, 2, 3, 6, 9, 18 Factors of 36: 1, 2, 3, 4, 6, 9, 12, 18, 36 Common factors: 1, 2, 3, 6			

5. $\frac{2}{7} = \frac{20}{63} = \frac{6}{42} = \frac{6}{42} = \frac{4}{42}$ III. Determine if the fractions are equivalent through cross multiplication. Put a (/) if fractions are equivalent and (x) if not.					4) 9 and 8: Multiples of 9: 9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99 Multiples of 8: 8, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96
2. Hom	1. 2. 3. 4. 5.	Fractions $ \frac{15}{25} and \frac{10}{15} $ $ \frac{8}{24} and \frac{1}{4} $ $ \frac{9}{18} and \frac{10}{20} $ $ \frac{12}{11} and \frac{48}{44} $ $ \frac{14}{9} and \frac{42}{27} $ Optional)	Equivalent or Not Equivalent		Common multiples: 72 Factors of 9: 1, 3, 9 Factors of 8: 1, 2, 4, 8 Common factor: 1 5) 10, 20, and 30: Multiples of 10: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100 Multiples of 20: 20, 40, 60, 80, 100 Multiples of 30: 30, 60, 90 Common multiple: 60 Factors of 10: 1, 2, 5, 10 Factors of 20: 1, 2, 4, 5, 10, 20 Factors of 30: 1, 2, 3, 5, 6, 10, 15, 30 Common Factors: 1, 2, 5, 10
					II. 1. $\frac{1}{8} = \frac{2}{16} = \frac{3}{24} = \frac{4}{32} = \frac{5}{40} = \frac{6}{48}$ 2. $\frac{5}{12} = \frac{10}{24} = \frac{15}{36} = \frac{20}{48} = \frac{25}{60} = \frac{30}{72}$ 3. $\frac{4}{3} = \frac{12}{9} = \frac{20}{15} = \frac{8}{6} = \frac{16}{12} = \frac{40}{30}$ 4. $\frac{3}{5} = \frac{6}{10} = \frac{9}{15} = \frac{12}{20} = \frac{15}{25} = \frac{18}{30}$ 5. $\frac{2}{7} = \frac{20}{70} = \frac{18}{63} = \frac{12}{42} = \frac{6}{21} = \frac{4}{14}$ III. 1) X 2) X 3) / 4) / 5) /

B. Teacher's Remarks	Note observations on any of the following areas: strategies explored materials used	Effective Practices	Problems Encountered	The teacher may take note of some observations related to the effective practices and problems encountered after utilizing the different strategies, materials used, learner engagement, and other related stuff.	
	learner engagement/ interaction others			Teachers may also suggest ways to improve the different activities explored/lesson exemplar.	
C. Teacher's Reflection	 Reflection guide or prompt <u>principles behind th</u> What principles and Why did I teach the <u>students</u> What roles did my s What did my studen <u>ways forward</u> What could I have d What can I explore i 	Teacher's reflection in every lesson conducted/facilitated is essential and necessary to improve practice. You may also consider this as an input for the LAC/Collab sessions.			