GRADES 1 to 12 DAILY LESSON LOG	School:		Grade Level:	VI
	Teacher:		Learning Area:	MATHEMATICS
	Teaching Dates and Time:	SEPTEMBER 19-23, 2022 (WEEK 5)	Quarter:	1ST QUARTER

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
I.OBJECTIVES					
A.Content Standards	The learner demonstrates understanding of the four fundamental operations involving fractions and decimals.				
B.Performance Standards	The learner is able to apply the four fundamental operations involving fractions and decimals in mathematical problems and real-life.				
C. Learning Competencies	Multiplies decimals and mixed decimals with factors up to 2 decimal places. M6NS-Ie-111.3				
II.*CONTENT*	Multiplying Decimals with Factors Up to 2 Decimal Places After going through this module, you are expected to: Multiplying Decimals with Factors Up to 2 Decimal Places		Multiplying Mixed Decimals with Factors Up to 2 Decimal Places After going through this module, you are expected to: Multiplying Mixed Decimals with Factors Up to	Multiplying Decimals and Mixed Decimals with Factors Up to 2 Decimal Places After going through this module, you are expected to: Multiplying Decimals and Mixed Decimals with Factors Up to 2 Decimal Places	WEEKLY TEST
III. *LEARNING RESOURCES*					
A.References					
1.Teacher's Guide Pages					
2.Learner's Materials Pages					
3.Textbook Pages					
4. Additional Materials from Learning Resources (LR) Portal					
B.Other Learning Resources					
IV. *PROCEDURES*					
	WHAT I KNOW Write in column and multiply. Write your answers on your answer sheet.	**What's More** Write in column, and multiply. Write your answers on your answer sheet.	**What I know**	**What I Know** A. Multiply the following. Write your answers on your answer sheet.	

Example: $0.32 \times 0.22 =$

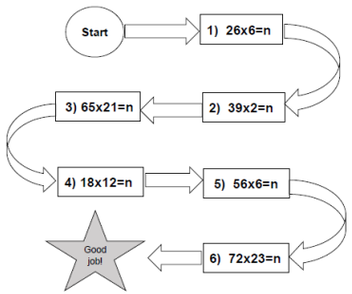
Solution:

$$\begin{array}{r} 0.32 \\ \times\ 0.22 \\ \hline 064 \\ 064 \\ +000 \\ \hline 0.0704 \end{array}$$

1.) 0.53 x 0.41 = ☐
2.) 0.67 x 0.12 = ☐
3.) 0.94 x 0.25 = ☐
4.) 0.42 x 0.31 = ☐
5.) 0.23 x 0.14 = ☐
6.) 0.82 x 0.76 = ☐
7.) 0.28 x 0.35 = ☐
8.) 0.40 x 0.36 = ☐
9.) 0.71 x 0.29 = ☐
10.) 0.42 x 0.14 = ☐

What's In

Find the value of n by getting the product of the given numbers. Write your answers on your answer sheet.



Example: $0.43 \times 0.02 =$

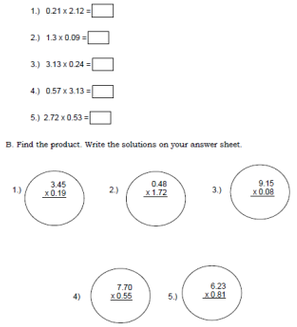
Solution:

$$\begin{array}{r} 0.43 \\ \times\ 0.02 \\ \hline 086 \\ +\ 000 \\ \hline 000 \\ \hline 0.0086 \end{array}$$

1.) 0.72 x 0.41 = ☐
2.) 0.26 x 0.39 = ☐
3.) 0.12 x 0.62 = ☐
4.) 0.38 x 0.58 = ☐
5.) 0.26 x 0.05 = ☐

Find the product. Write your solutions on your answer sheet.

1.) 1.32 x 2.11
2.) 2.42 x 1.23
3.) 5.12 x 3.41
4.) 1.92 x 2.34
5.) 5.16 x 2.12
6.) 4.01 x 1.03
7.) 3.15 x 6.02
8.) 1.72 x 3.21
9.) 5.63 x 4.22
10.) 3.58 x 2.24


1.) 0.21 x 2.12 = ☐
2.) 1.3 x 0.09 = ☐
3.) 3.13 x 0.24 = ☐
4.) 0.57 x 3.13 = ☐
5.) 2.72 x 0.53 = ☐

B. Find the product. Write the solutions on your answer sheet.

1.) 3.45 x 0.19
2.) 0.48 x 1.72
3.) 9.15 x 0.08
4.) 7.70 x 0.55
5.) 6.23 x 0.81

What's In

Match the equations in column A with their appropriate products in Column B. Write the letter of your answer on your answer sheet.

A. B.

_____ 1.) 0.45 x 0.10 = a. 0.933
_____ 2.) 2.08 x 1.61 = b. 7.56
_____ 3.) 9.2 x 0.23 = c. 72.18
_____ 4.) 3.11 x 0.3 = d. 0.045
_____ 5.) 0.36 x 0.7 = e. 3.3488
_____ 6.) 4.20 x 1.8 = f. 2.116
_____ 7.) 8.02 x 9 = g. 3.174
_____ 8.) 1.09 x 4.3 = h. 0.3504
_____ 9.) 0.46 x 6.9 = i. 0.252
_____ 10.) 0.73 x 0.48 = j. 4.687
k. 2.031
l. 10.02

What's New

Multiplying decimals is just like multiplying whole numbers. You get the partial product and then get the sum. Count the number of decimal places in the factors and put the decimal point in the product.

What is It

Let us study the examples below.

Example: Find the product of
a. 0.23 x 0.13 =

$$\begin{array}{rl} & 0.23 \quad \leftarrow \text{2 decimal places} \\ \times & 0.13 \quad \leftarrow \text{2 decimal places} \\ \hline & 0\ 69 \\ + & 02\ 3 \\ & 000 \\ \hline & 0.0299 \quad \leftarrow \text{4 decimal places} \end{array}$$

• Therefore, the product is 0.0299.

What I Have Learned

When two decimals are multiplied,
- align the decimal points in a straight column.
- use 0 as placeholder if needed.
- multiply just like multiplying whole numbers.
- count the number of decimal places in the factors and this should be
equal to the number of decimal places in the product. (Note: Start counting from right to left.)

What I Can Do

A. Find the product of the following decimal numbers. Write your answers on your answer sheet.

1.) 0.95 x 0.46

2.) 0.43 x 0.21

3.) 0.38 x 0.27

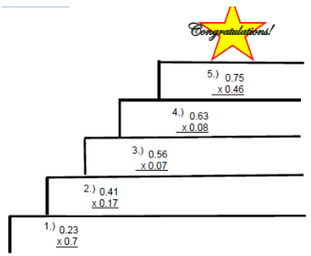
4.) If 0.57 is multiplied to 0.23, the product is _____.

5.) 0.94 multiplied by 0.34 is _____?

B. Read and solve. Write your solutions on your answer sheet.
6.) Ara wishes to win the game in their Mathematics class. She was holding a strip of paper with the decimal number 0.82. Her teacher instructed her to multiply it with 0.45 in order to get the prize. What will be her answer?
7.) What will be the value of N if 0.94 is multiplied by 0.62?

What's In

In the previous lesson, you have learned on how to multiply decimals with factors up to 2 decimal places. You will answer another exercise related to this which will be a good preparation for the next lesson.
REACH FOR THE STAR
Find the product. Start from the lower part of the ladder going up. Write your solutions on your answer sheet.



What's New

Study and analyze the problem below.

Alvin weighs 32.53 kilograms. Dino weighs 1.02 times as Alvin's weight. What is Dino's weight?

What's New

Study the following:

Andy is a pupil who loves to explore in solving equations. On the bulletin board in Mathematics 6, he saw a card with the equation: 3.52 x 0.41 = N

What is It

In helping Andy solve the problem, simply do the following steps:

Step 1: Write the given equation in column.

3.52 ⟸ multiplicand
x 0.41 ⟸ multiplier

Step 2: Multiply 1 to all the digits in the multiplicand from right to left to get the first partial product.

3.52
x 0.41
3 52 ⟸ 1st partial product

Step 3: Multiply 4 to all the digits in the multiplicand to get the second partial product.

3.52
x 0.41
3 52
140 8 ⟸ 2nd partial product

Step 4: Add the two partial products to get the final product. Then, place the decimal point correctly by counting the decimal places in the factors (multiplicand and multiplier). The counting will be from right to left.

3.52 *(2 decimal places)*
x 0.41 *(2 decimal places)*
3 52
+140 8
1.44 32 ⟸ final product *(4 decimal places)*

This time, be motivated in studying the table and problem below.

Item	Unit Cost
Notebook	₱13.25
Ballpen	₱9.75
Crayon	₱25.35
Pencil	₱6.95
Clear book	₱45.50
Roll of Pad paper	₱23.25

Blessie bought 4 notebooks, 3 ballpens, a roll of pad paper and a clear book. If she handed a 500-peso bill to the cashier, how much change will she receive?

To solve the problem, do the following steps:

Understand:

1. What is asked?
   Answer: The amount of change Blessie will receive from her 500-peso bill
2. What are the given facts?
   Answer: 4 notebooks at ₱13.25 each, 3 ballpens at ₱9.75 each, 1 roll of pad paper at ₱23.25, 1 clear book at ₱45.50 and 500-peso bill

Plan:

1. What is/are the hidden questions?
   Answer: What is the total cost of 4 notebooks?
   What is the total cost of 3 ballpens?
   How much is the total cost of all the items that Blessie bought?
2. The processes to be used are _____.
   Answer: multiplication, addition, and subtraction
3. The number sentence for the problem is_____.
   Answer: { ₱500 – [(4 x ₱13.25) + (3 x ₱9.75) + ₱23.25 + ₱45.50] } = N

				Solve: N = (₱500.00 – [(4 x ₱13.25) + (3 x ₱9.75) + ₱23.25 + ₱45.50 = (₱500.00 – ₱53.00 (Total cost of 4 notebooks) + ₱29.25 (Total cost of 3 ballpens) + ₱23.25 + ₱45.5 = ₱500.00 – ₱151.00 (Total cost of all items) = ₱349.00 ⟶ amount of change Blessie received Therefore, Blessie will receive a change of ₱349.00 from her 500-peso b **Check:** To check whether the answer is correct, add the total cost of all the the change received. The sum should be equal to the amount given ₱151.00 + ₱349.00 ₱500.00	
	b. 0. 63 x 0.44 = 2 1 2 1 0.63 ⟵ 2 decimal places × 0.44 ⟵ 2 decimal places 252 + 252 000 0.2772 ⟵ 4 decimal places • Therefore, the product is 0.2772. c. 0.45 x 0.32 = 1 1 1 0.45 ⟵ 2 decimal places × 0.32 ⟵ 2 decimal places 090 + 135 000 0.1440 ⟵ 4 decimal places • Therefore, the product is 0.1440.	**Assessment** Find the product of the following decimal numbers. Write your answers on your answer sheet. 1.) 0.70 x 0.39 = ☐ 2.) 0.34 x 0.26 = ☐ 3.) 0.09 x 0.16 = ☐ 4.) 0.23 x 0.12 = ☐ 5.) 0.47 x 0.06 = ☐ 6.) 0.49 x 0.30 = ☐ 7.) 0.76 x 0.34 = ☐ 8.) 0.89 x 0.43 = ☐ 9.) 0.98 x 0.32 = ☐ 10.) 0.79 x 0.19 = ☐	**What is It** To find for Dino's weight, do the following steps: **Step 1:** Write the decimals in column. 32.53 ⟵ multiplicand x 1.02 ⟵ multiplier **Step 2:** Multiply 2 to all the digits in the multiplicand from right to left to get the first partial product. 32.53 x 1.02 65 06 ⟸ 1st partial product **Step 3:** Multiply 0 to all the digits in the multiplicand from right to left to get the second partial product. 32.53 x 1.02 65 06 ⟸ 1st partial product 000 0 ⟸ 2nd partial product **Step 4:** Multiply 1 to all the digits in the multiplicand to get the third partial product. 32.53 x 1.02 65 06 ⟸ 1st partial product 000 0 ⟸ 2nd partial product 3253 ⟸ 3rd partial product **Step 5:** Add the three partial products to get the final product. Then, count the number of decimal places in the factors to determine the number of decimal places in the final answer. ***(Note: There are four decimal places in the factors, so there must be four decimal places in the final product.)*** 32.53 x 1.02 65 06 ⟸ 1st partial product 000 0 ⟸ 2nd partial product + 3253 ⟸ 3rd partial product 33.1806 ⟸ final product Now that you are already familiar with the steps on how to multiply mixed decimals with factors up to 2 decimal places, you can move on studying the word problem below. Akisha sells fruit shakes. One morning, she went to a fruit stand to buy fruits for her business. She decided to buy papayas which are sold at ₱18.25 per kilogram. How much will she pay for 2.4 kilograms of papayas?	**What's More** A. Multiply each decimal in the input column with 0.75. Write the product in the output column. Copy first the table on your paper. *I'll do number 1 for you.* **Given** ⟶ **5.16 x 0.75 = ?** 5.16 x 0.75 2580 + 3612 3.8700 ⟸ **product** *Now, do numbers 2 to 6.* **No.** | **INPUT** | **OUTPUT** 1. | 5.16 | 3.8700 2. | 6.12 | 3. | 7.63 | 4. | 1.86 | 5. | 3.69 | 6. | 4.26 | B. Read and solve. Write your solution with label in the final answer on your answer sheet. Jen saves ₱5.25 every Monday, ₱8.35 every Tuesday, ₱6.15 every Wednesday, ₱4.65 every Thursday, and ₱10.30 every Friday from her daily school allowance for two weeks. From these savings, she plans to buy a sling bag that costs ₱215.00. How much more	

To solve the problem above, follow these steps:

Understand:

1. What is asked?

   Answer: Cost of 2.4 kilograms of papayas

2. What are the given facts?

   Answer:

   ₱18.75 – cost of a kilo of papaya

   2.4 – kilograms of papaya to be paid by Akisha

Plan:

1. What operation will you use to solve the problem?

   Answer: Multiplication

2. How will you transform the problem into a number sentence?

   Answer: ₱18.25 x 2.4 = N

Solve:

```
   1 1 1
   1  1
   3 1 2
   18.25
 x  2.4
 73 00
+ 365 0
 43.800 ⟶ final product
```

Check:

1 kilogram of papaya =	₱18.25
+ 1 kilogram of papaya =	+ ₱18.25
0.4 kilogram of papaya =	₱7.30
2.4	₱43.80

So, Akisha will pay ₱43.80 for 2.4 kilograms of papayas.

Here is another problem that will help tickle your mind.

> Mara sells candy bars and chocolate bars. The cost of each candy bar is ₱3.25. Each chocolate bar costs ₱5.00 more than twice each candy bar. If Harold bought equal number of candy bars and chocolate bars and paid ₱59.00, how many chocolate bars did he buy?

In order to be guided, follow the steps below.

Understand:

1. What is asked?

   Answer: How many chocolate bars did he buy?

2. What facts are given?

   Answer:

   The cost of each candy bar is ₱3.25.

   Each chocolate bar costs ₱5.00 more than twice each candy bar.

   The total amount paid for the equal number of candy bars and chocolate bars bought is ₱59.00

Plan: What operations will you use to solve the problem? Decide for a strategy.

Strategy: The repeated addition using Block Model Strategy will help you solve this problem.

Solve: Show your solution.

Applying the strategy:

Knowing that a candy bar which costs ₱3.25 and a chocolate bar which costs ₱11.50 altogether cost ₱14.75, how many of them will be equal to ₱59?

must she save after two weeks?

What I Have Learned

To multiply decimals and mixed decimals with factors up to 2 decimal places do the following:

1. Write the decimals in column aligning the digits at the right.
2. Multiply from the rightmost digit of the multiplier to the digits of the multiplicand to get the first and second partial products.
3. Sum up the partial products.
4. Count the number of decimal places in the factors. This will be the number of decimal places in the final product. Start counting from right to left.

What I Can Do

A. Multiply the following. Write your solutions on your answer sheet and place the decimal point in the products correctly.

1.) 6.34 x 0.28

2.) 7.91 x 0.57

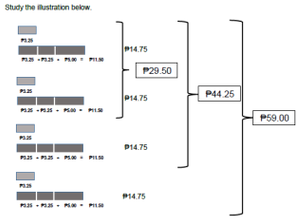
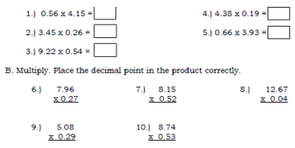
3.) 21.64 x 0.23

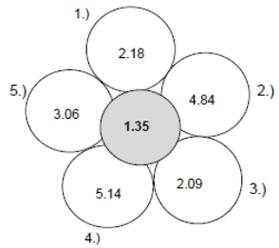
4.) 8.49 x 0.07

5.) 2.96 x 0.38

B. Read and solve the following problems on your answer sheet. Label your final answers.

6.) Mrs. Nicolas has 2.54 meters of lace. If 0.78 is the part of the lace used in

			Study the illustration below.  *Answer:* Harold bought 4 chocolate bars which is also equal to the number of candy bars. **Check:** To check your answer, you can apply repeated addition. ₱3.25 ⟶ cost of a candy bar ₱3.25 + ₱3.25 + ₱5.00 = ₱11.50 ⟶ cost of a chocolate bar ₱14.75 ⟶ total cost of the candy bar and chocolate bar So, ₱14.75 + ₱14.75 + ₱14.75 + ₱14.75 = ₱59.00.	edging the sides of the table cloth, find the length of the lace used? 7.) Trina bought 4 kg of sugar at ₱36.50 per kilogram and 3 kg of flour at ₱17.55 per kilogram. How much change will she receive from her ₱200 bill?	
			What's More A. Multiply the decimal at the center with the decimals around it. Write your solutions on your answer sheet.	**Assessment** A. Find the product. Write first the given in column and write your solutions on your answer sheet.  C. Read, analyze, and solve. Write your solution on your answer sheet with label in the final answer.	

			Example: 4.07 x 1.35 =? 4.07 x 1.35 2035 1221 + 407 5.4945  B. Read and solve using the appropriate strategy. Write your solution on your answer sheet. A drugstore sells a piece of face mask at ₱17.90. The price of a bottle of 100-ml alcohol is ₱12.25 more than the price of a piece of face mask. If Carla paid ₱480.50 for the equal number of face masks to the number of bottles of 100-ml alcohol, how many of these items did she buy?	Kaye's allowance is ₱800 a week. She spent ₱95.00 for transportation, ₱475.50 for meals and snacks, and ₱50.25 for the photocopy of handouts. How much money can she save in 2 weeks?	
			What I Have Learned **To multiply a mixed decimal by a mixed decimal with factors up to 2 decimal places do the following:** 1. Write the decimals in column aligning the digits at the right. 2. Multiply from the rightmost digit of the multiplier to the digits of the multiplicand to get the first, second and third partial products.		

			3. Sum up the partial products. 4. Count the number of decimal places in the factors. This will be the number of decimal places in the final product. Start counting from right to left. **What I Can Do** A. Multiply the following and place the decimal point in the product correctly. Write your solutions on your paper. 1.) 4.42 x 2.16 2.) 2.48 x 1.63 3.) 15.47 x 5.32 4.) 3.97 x 1.02 5.) 7.40 x 5.24 B. Read, analyze and solve. Write your solutions with label on your answer sheet. 6.) If one meter of cloth costs ₱65.60, how much will 1.75 meter cost? 7.) In a vegetable stand, a kilogram of okra is sold at ₱40.50. A kilogram of squash is sold ₱5.00 less than the price of a kilogram of okra. If Aling Doray paid the vegetable vendor ₱228.00 for the equal kilograms of okra to the kilograms of squash she bought, how many kilograms of each kind of vegetable did she buy?		
			ASSESSMENT		

			A. Find the product. Write first the given in column and write your solutions on your answer sheet. 1.) 2.34 x 1.23 = ☐ 4.) 6.02 x 5.21 = ☐ 2.) 3.52 x 2.31 = ☐ 5.) 7.42 x 3.12 = ☐ 3.) 4.25 x 1.54 = ☐ B. Multiply the following. Place the decimal point in the product correctly and write your solutions on your answer sheet. 6.) 9.08 x 1.74 7.) 7.15 x 3.96 8.) 2.67 x 7.03 9.) 31.05 x 5.82 10.) 6.13 x 10.12 C. Read, analyze and solve. Write your solution with label on your answer sheet. Mang Ambo is a meat vendor. He sells a kilogram of pork at ₱180.00 and a kilogram of beef which is ₱15.25 more than the price of a kilogram of pork. If Dindo gave Mang Ambo ₱1 125.75 for the equal kilograms of pork to the kilograms of beef, how many kilograms of each kind of meat did he buy?		
V.*REMARKS*					

VI. *REFLECTIONS*	
A.No.of learners who earned 80% in the evaluation	
B. No.of learners who requires additional acts.for remediation who scored below 80%	
C. Did the remedial lessons work? No.of learners who caught up with the lessons	
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 encounter which my principal/supervisor can help me solve?	
G. What innovations or localized materials did I used/discover which I wish to share with other teachers?	