Mathematics 6
Worksheet Quarter 1
Week 5

Name: _____Gr./Sec: _____ Teacher: _____

a. Multiply decimals and mixed decimals with factors up to 2 decimal places
b. Multiply mentally decimals up to 2 decimal places by 0.1, 0.01, 10 and 100
c. Solves routine and non-routine problems involving multiplication of decimals and mixed decimals including money using appropriate problem solving strategies and tools.



Mrs. Nardo spends ₱ 135.50 for food each day. How much does she spend in 12 days?

POLYA'S STEP

❖ Understand

What is asked? the amount Mrs. Nardo spent in 12 days
What are given? ₱ 135.50 for food each day, 12 days

❖ Plan

What is the operation to be used? Multiplication
What is the number sentence? 135.50 x 12 = N

❖ Solve

Multiply

135.50 X 12 =

Math Rule 1: Write the decimal numbers vertically.

Multiply

135.50
X 12

Math Rule 2: Multiply the decimal numbers like whole numbers.

Multiply

	1	3	5	.	5	0
			X		1	2
	2	7	1		0	0
1	3	5	5		0	

Math Rule 3: Add the partial products.

Multiply

	1	3	5	.	5	0
			X		1	2
	2	7	1		0	0
1	3	5	5		0	
1	6	2	6		0	0

Math Rule 4: Count the decimal places of the factors and put the decimal point at the appropriate place.

Multiply

	1	3	5	.	5	0
			X		1	2
	2	7	1		0	0
1	3	5	5		0	
1	6	2	6	.	0	0

The product of 135.50 X 12 is 1626.

LIVEWORKSHEETS

❖ Look back Mrs. Nardo spends ₱ 1626.00 in 12 days.

Other examples :

Problem 1: My mother gave me 50 centavos. My father gave me 2.5 times as much. My grandmother gave me 3.5 times as much. How much money do I have now?	Problem 2: In the farm, there are 12 hens and 1.75 times more roosters than hens. There are also 2.5 times as much chicks than hens. How many animals are in the farm?
Mother - ₱ 0.50 Father - ₱ 0.50 x 2.5 = ₱ 1.25 Grandmother - ₱ 0.50 x 3.5 = ₱ 1.75 The amount I have now is ₱ 3.50	Hens - 12 Roosters – 12 X 1.75 = 21 Chicks - 12 X 2.5 = 30 There are 63 animals in the farm.

➢ Exercise #1

Refer to the table for foreign currency exchange rate.

Country	Currency	Value in Philippine Peso (Php)
USA	US dollar (USD)	48.55
India	Indian Rupee (INR)	0.66
Malaysia	Ringgit (MYR)	11.69
Thailand	Baht (THB)	1.55
Hongkong	Hongkong Dollar (HKD)	6.26

a. Supposed you bought a dress worth USD 25, sunglasses worth INR 900, and a pair of pants worth MYR 95. What would be the total cost in Philippine peso?
b. Which will buy more, HKD 150 or THB 400? By how much?

➢ Exercise #2 Find the product.

1) 3 x 0.1
2) 13 x 0.01
3) 54.8 x 10
4) 89.7 x 10
5) 635.89 x 1000

➢ Exercise #3 Solve the problem. Follow the 4 step plan.

1)Jason earns P380.65 daily. His sister earns 1.5 times what he earns daily. How much does his sister earn in a day?

2)If 1 metre of cloth costs P72.95, how much would 6.5 metres cost?

LIVEWORKSHEETS