MATHEMATICS

ADDITION OF MIXED DECIMALS WITHOUT OR WITH REGROUPING

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ADDITION OF MIXED DECIMALS WITHOUT OR WITH REGROUPING

Objective: Add mixed decimals with or without regrouping.

Do these exercises in your notebook.

A. Find the sum by adding horizontally and vertically.

0.3	0.36	0.8	
0.9	0.7	0.22	
0.11	0.4	0.5	

B. Answer the following:

    a. 0.89 more than 0.8 is _____
    b. 0.06 added to 0.79 gives _____
    c. Increased 0.47 by 0.07, the answer is _____
    d. 0.19 and 0.62 are put together, the result is _____
    e. 0.63 more than the sum of 0.06 and 0.85 is _____

Did you align the decimal point of each number before adding them?

Check your answers using the answer key. If you have a score of 10 – 12, you may proceed to this module. If you get 9 correct answers or below, go back to your past lessons.

Mother wants to prepare "pinakbet" for lunch. Can you help her get or buy the vegetables for the menu? Are you helpful to your mother every time she needs help? In what way?

A. Observe closely the prices of vegetables in the vegetable stand in the market.

Eggplant	₱ 60.00/kilo
squash	₱ 50.50/kilo
sayote	₱ 40.50/kilo
string beans	₱ 55.00/kilo
carrots	₱ 62.50/kilo
kangkong	₱ 22.00/kilo

1. If mother buys all the vegetables listed in the vegetable stand, how much money will she spend? *₱290.50*
2. What operation will you use to know the entire cost of the vegetables? *Addition*

B. Mother has the following amount of money in her wallet:

| ₱100 | ₱100 | ₱100 | ₱50 |

| ₱20 | ₱10 | ₱1 | 25¢ | 25¢ |
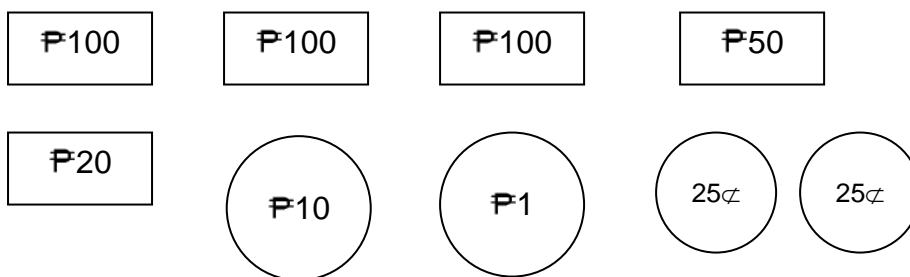
1. How much money does she have in all? How can you solve the problem accurately? *List down in column the amount of money according to denominations.*

2. What operation will you use? *Addition*

3. Let's do the calculations.

```
  ₱ 100.00
  ₱ 100.00
  ₱ 100.00
  ₱  50.00
  ₱  20.00        The total amount of money in mother's
  ₱  10.00        wallet is  ₱381.50
  ₱   1.00
  ₱   0.25
+ ₱   0.25
  ₱ 381.50
```

C. In mother's menu, she listed the exact weight of vegetables to be used. What are these?

Vegetable	Weight
Okra	1.25 kg.
Eggplant	1.8 kg.
Squash	1.20 kg.
String Beans	1.50 kg.
Sayote	1.75 kg.
Kangkong	1.25 kg.

1. What process will you use to know the exact weight of vegetables to be used by mother? *Addition*
2. What is the exact weight? *8.75 kg*

Analysis

3. How did you write the given numbers? *Written in columns*
4. Why did you write them in column? So w*e can add the digits according to place value*
5. What separates the whole numbers and decimal numbers? *decimal point*
6. What process is to be used? *Addition*
7. What do we call these numbers? *mixed decimals*
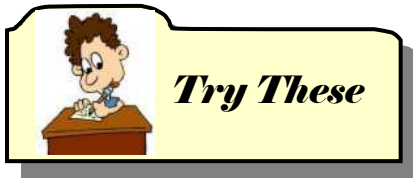
Add the following:

a. 1.6	b. 5.92	c. 8.55	d. 7.03	e. P1.85
+ 3.7	+ 0.16	+2.05	+2.61	+ P1.35

f.   15.06 + 3.2 + 8.95 =

g. 7.16 + 9.20 =

h. ₱16.50 + ₱89.25 =

i.   ₱4.65 + ₱2.15 + ₱1.55 =

j.   ₱9.55 + ₱8.15 + ₱7.90 =

Wrap Up

In adding mixed decimals, follow these steps:

- Write the numbers or addends in column, aligning the decimal points.
- Add as in whole number.
- Place the decimal point in your answer exactly below the decimal points of the addends.

A. Add the following:

a. 7.9	b. ₱ 18.03	c. 5.9	d. 52.61	e. 8.25
+ 12.03	+ 26.6	+ 12.09	+ 15.7	+ 6.9

f. 7.95	g. 21.81	h. 12.03	i. ₱0.95
+ 12.02	+ 3.91	+ 5.6	+ 2.60

j. ₱6.25 + ₱12.65 =   k. 15.06 + 3.2 + 8.95 =

l. 9.52 + 8.06 + 7.9 =

Check your work with the key to correction.

If you scored 10 – 12, you may proceed to the next module.

If you scored 6 – 9, review the items you missed.

If you scored 0 – 5, repeat the whole process.

Just like your previous lessons, you did your task correctly. Don't be content of your achievement. Strive to make your work perfect and at your normal pace.