MATHEMATICS 4

WORD PROBLEMS INVOLVING EITHER ADDITION OR SUBTRACTION OF DECIMALS

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in Selected Provinces in the Visayas (STRIVE).

WORD PROBLEMS INVOLVING EITHER ADDITION OR SUBTRACTION OF DECIMALS

Objectives: Solve word problems involving addition or subtraction of decimals including money.

Review
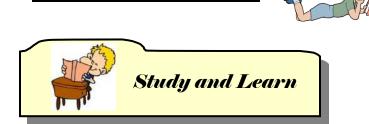
A. Copy and complete each table by adding or subtracting the decimals horizontally and vertically.

1. Addition of decimals

		answer
2.5	0.05	
0.25	3.2	
3.75	5.1	

answer

1. Subtraction of decimals

		answer
65.7	23.36	
7.95	4.02	

answer

Let's analyze and solve the following problems.

1. A notebook is on sale for ₱13.00 and an eraser for ₱3.75. How much will both cost?

    a. What is asked in the problem? *The total cost of the notebook and the eraser.*
    b. What are the given facts? *₱13.00 the cost of notebook and ₱3.75 cost of eraser*
    c. What is the word clue? *both*
    d. What operation will you use? *Addition*
    e. What is the mathematical sentence? *₱13.00 + ₱3.75 = N*
    f. What is the answer? *₱16.75*

2. A set of coloring book costs ₱65.55 and a box of colored pen costs ₱48.95. How much more was the cost of the set of coloring book than the box of colored pen?

    a. What is asked in the problem? *How much more was the cost of the set of coloring books?*
    b. What are the given facts? *₱65.55 – cost of coloring book and ₱48.95 – cost of colored pen*
    c. What is the word clue? *much more*
    d. What operation will you use? *subtraction*
    e. What is the mathematical sentence? *₱65.55 – ₱48.95 = N*
    f. What is the answer? *₱16.60*

Try These

Read the following word problems. Answer the questions that follow.

1. Sally filled 2.5 boxes with notebook. She filled another 3.25 boxes with books. How many boxes did she fill?

a. What is asked in the problem?
b. What are the given facts?
c. What is the word clue?
d. What operation will you use?
e. What is the mathematical sentence?
f. What is the answer?

2. Efren bought ₱125.50 worth of fruits while Dina bought ₱215.00 worth of fruits. How much more did Dina buy?

a. What is asked in the problem?
b. What are the given facts?
c. What is the word clue?
d. What operation will you use?
e. What is the mathematical sentence?
f. What is the answer?

3. Mike got ₱150 for his birthday. He wanted to buy a pair of shoes for ₱237.25. How much more does he need?

a. What is asked in the problem?
b. What are the facts?
c. What is the word clue?
d. What operation will you use?
e. What is the mathematical sentence?
f. What is the answer?

Wrap Up

When solving a problem involving either addition or subtraction of decimals including money, identify what is asked, the given facts, the word clue, operation to be used, and the mathematical sentence. Align the decimal points before adding or subtracting. Always remember to put the label.

Solve the problem.

1. Gracia needs 15.5 m of cloth for her sala set and 35.62 m for window curtains. How many metres of cloth does she need in all?

2. Meda spend ₱260.45 for snacks and ₱150.00 for fare to school every week. How much does she spend weekly for her snacks and fare?

3. On her birthday, Nancy received ₱150.00 from her grandmother. How much more does she need if she wants to buy a pair of shoes worth ₱250.00?

4. Arnold is 176.02 cm tall. Henry is 155.40 cm tall. What is their total height?

5. Emma had 5.5 rolls of white cloth. She used 3.8 rolls for uniform. How many rolls of cloth did she have left?

Check your answer with the answer key. If you get….

4-5   -   Excellent! You may now proceed to the next lesson.

3-2   -   You need to review the processes you missed.

0-1   -   You need to repeat the whole process.
                   Ask your teacher or elder to help you.