MATHEMATICS 4

Modified In-School Off-School Approach Modules (MISOSA)

Distance Education for Elementary Schools

SELF-INSTRUCTIONAL MATERIALS

ONE-STEP WORD PROBLEMS INVOLVING DIVISION

Department of Education
BUREAU OF ELEMENTARY EDUCATION
2nd Floor Bonifacio Building
DepEd Complex, Meralco Avenue
Pasig City

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ONE-STEP WORD PROBLEMS INVOLVING DIVISION

Objective: Solve one-step word problems involving division of 5- or more digit numbers by 3- or more digit number including money.

Review

Look for the hidden message by solving the indicated operations and matching the answer to the coded number.

_____	_____	_____	_____	_____	_____	_____	_____	_____
1	2	3	4	5	6	7	8	9

1) $63\overline{)4095}$ 2) $35\overline{)28070}$ 3) $156\overline{)60400}$

4) $411\overline{)28060}$ 5) $27\overline{)54054}$ 6) $24\overline{)20160}$

7) $325\overline{)763420}$ 8) $423\overline{)836421}$ 9) $123\overline{)638200}$

a. 802
h. 68 r. 112
f. 2348 r. 320
s. 840
m. 65
n. 5188 r. 76
i. 2002
t. 387 r. 28
u. 1977 r. 150

What is the hidden message? Have you uncovered it?

Check your answer using the key to correction. If your score is 7 or 9, you may now proceed to this module. If you get 6 correct answers or below, review first the past lessons.

Study and Learn

Read the problem below and analyze the solution made for you.

> Mr. Siñod, a factory owner has 125 workers. The weekly pay of the workers amounts to ₱ 212 500.00. How much does each worker earn weekly?

Now, let us solve the problem step by step for you to fully understand the solution.

- What is asked in the problem?
  The weekly earning of each worker.

- What are the facts given?
  125 workers
  ₱ 212 500 – weekly pay of all the workers

- What operation are you going to use?
  division

- What is you number sentence?
  ₱ 212 500.00 ÷ 125 = N

- The solution:

$$
\begin{array}{r}
1700 \\
125\overline{)212500} \\
\underline{-\,125} \\
875 \\
\underline{-875} \\
00 \\
\underline{-00} \\
0
\end{array}
$$

  ₱ 1 700 per worker

- Check your answer if it makes sense.
  125 x 1 700 = P 212 500

Since the product is equal to the dividend then, your answer is correct.

Would you like to try another exercise? Do the word problems in the next part of the lesson.

Try These

Solve the problems by following the steps in the “Study and Learn” portion. Submit your solution and answer to your teacher for checking.

1. There were 27 500 bars of soap at the wholesale counter. If these were distributed equally among 110 retailers, how many bars of soap did each retailer get?

2. The Red Cross distributed 15 750 packs of noodles to the typhoon and flood victims in Central Luzon. If these were distributed equally among 525 families, how many packs of noodles did each family get?

Wrap Up

To solve one-step word problems, you must:

- Read and understand the problem.
- Know what are the given facts.
- Know what is asked in the problem.
- Make the number sentence.
- Solve the equation.
- Check if your answer makes sense.

On Your Own

Check how far you have learned the lesson by solving these two problems.

1. Mangoes are sold by the “kaing”. If one kaing costs ₱ 1 025, how many “kaings” of mango can you buy with ₱ 142 475.00?

2. A delivery truck unloaded 600 boxes of canned milk at a supermarket. There were 14 400 cans of milk in all the boxes. How many cans were in each box?

Check your answer with the answer key.

If you get all the problems correctly, you may now proceed to the next module.

Otherwise, repeat the whole process and ask the guidance of your teacher or an elder person.