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Modified In-School Off-School Approach Modules (MISOSA)
Distance Education for Elementary Schools
SELF-INSTRUCTIONAL MATERIALS



**WORD PROBLEMS
INVOLVING ADDITION
OF WHOLE NUMBERS**



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WORD PROBLEMS INVOLVING ADDITION OF WHOLE NUMBERS

Objective: Solve word problems involving addition of whole numbers.



A. Add the following in your notebook.

$$\begin{array}{r} 1) \ 3 \ 241 \\ +6 \ 527 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \ 5 \ 165 \\ +8 \ 723 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \ 8 \ 341 \\ +4 \ 256 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \ 6 \ 134 \\ +3 \ 522 \\ \hline \end{array}$$

B. Find the missing digits. Use your notebook.

$$\begin{array}{r} 1) \ 1 \ 312 \\ +4 \ \square7\square \\ \hline \end{array}$$

$$\begin{array}{r} 2) \ 3 \ \square1\square \\ +\square \ 0\square3 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \ \square134 \\ +3\square2\square \\ \hline \end{array}$$

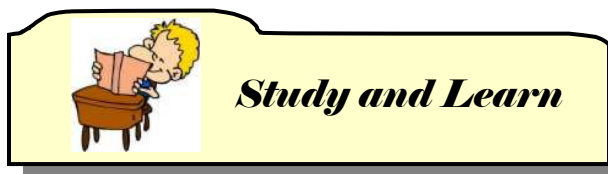
$$\begin{array}{r} 4) \ 4 \ 231 \\ +\square4\square5 \\ \hline \end{array}$$

C. Arrange the numbers in column and add.

1) 5 231, 3 145, 8 611

2) 14 325, 51 210, 43 051, 30 102

Check your answers with the answer key. If your score is 4 or 5, you may continue with this lesson. If you got 3 or below, review your past lessons.



Some word problems are provided for you to read and understand the lesson. Take note of the different steps in solving problems.

Problem 1

Aga and Harold gathered shells for their project in science. Aga collected 182 Shells. Harold collected 245 shells. How many shells did they collect in all?





Here's how we solve the problem:

Understand the information by reading the problem carefully.

What is asked?

Total shells they collected

What numbers are given in a problem?

182 and 245

What are these numbers?

They are the numbers of shells.

What words give the clue to the operation we will use? In all

What is the operation to be used? Addition

What is the number sentence?

$$182 + 245 = N$$

How will you do the operation?

$$\begin{array}{r} 1 \\ 182 \\ + 242 \\ \hline 427 \end{array}$$

What is the answer?

They gathered 427 shells in all.

Try to solve another problem using the steps in solving word problem.

Katiku Elementary School has 645 Grade IV pupils, 523 Grade V and 861 Grade VI pupils. How many pupils in all does the school have from Grades IV to VI?





Follow the steps:

What is asked

Total number of pupils from Grade IV to V?

What numbers are given?

645, 523 and 861

What are these numbers?

They are the numbers of pupils

What words give the clue to the operation? In all

What is the operation to be used? *Addition*

Write the number sentence.

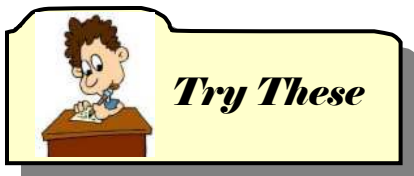
$$645 + 523 + 861 = N$$

How will you do the operation?

$$\begin{array}{r} 645 \\ 523 \\ +861 \\ \hline 2029 \end{array} \quad \text{or } 645 + 523 + 861 = 2029$$

What is the answer? $N = 2029$

There are 2,029 pupils in all.



Now, solve the following problems in your notebook.





1. During harvest time four farmers sold their crops to a buyer. Mr. Santos' crops costs ₱6 850, for Mr. Salamanca, they cost ₱9 850. The crops of Mr. Torres cost ₱10 250 and for Mr. Arellano, they cost ₱9 565. How much was the total cost of the crops of the four farmers.

- a. What is asked? _____
- b. What are given? _____
- c. What words give clue to the operation? _____
- d. What is the operation to be used? _____
- e. What is the number sentence? _____
- f. How will you do the operation? _____

$$\begin{array}{r} \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} \\ + \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} \end{array}$$

- g. What is the answer? $N =$ _____
- h. Check the answer.

2. Mang Abe gathered 2 560 coconuts on the first week and 3 125 coconuts on the second week. How many coconuts did he gather in 2 weeks?

- a. What is asked? _____
- b. What are given? _____
- c. What is the word clue? _____
- d. What is the operation to used? _____
- e. What is the number sentence? _____
- f. How will you do the operation? _____

$$\begin{array}{r} \underline{\hspace{2cm}} \\ + \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} \end{array} \quad N = \underline{\hspace{2cm}}$$





g. How will you do the operation? _____

+ _____

h. What is the answer? N = _____



Wrap Up

What have you learned today?

How do you solve word problems?

What are the steps involved?

1. Read and understand the problem carefully.
2. Find out what is asked for the problem.
3. List down the important facts.
4. Decide on the operations to use.
5. Write the number or mathematical sentence.
6. Solve the problem.
7. Check if the answer is correct.



On Your Own

Solve by yourself. Show your solution and answers only. Use your notebook.

1. Aling Norma sold 2 125 fresh eggs and 1 226 salted eggs in one week. How many eggs did Aling Norma sell?
2. During scouting month San Pablo Elementary School had a benefit show for three days. On the first day, 1 526 tickets were sold, 1 232 on the second day, 1 135 on the third day. How many tickets were sold in all?





3. The mayor called for a meeting. There 536 men and 257 women who attended the meeting. How many persons attended the meeting?
4. The pupils of Kalanawi Elementary School joined the fund-raising drive for the evacuees of the lahar victims of Pampanga. The Grade IV pupils were able to raise ₱11,220, Grade V - ₱13,454, and Grade VI - ₱1,525. How much was the total amount raised for the lahar victims?
5. Mrs. Quibuyen's salary for one month is spent on the following.

Food	₱3,756
Water Bills	250
Electricity	2,110
Transportation	850

How much was the total expenses of the Quibuyen's family in one month?

Check your answer using the key. If your score is...

- 4-5 - *Well done! You may proceed to the next lesson.*
- 3 - *Review the processes you missed.*
- 0-2 - *Repeat the whole lesson.*

