

## Solving 2- to 3-Step Word Problems involving Multiplication and any one of Addition/Subtraction

### I. Learning Objectives

Cognitive:	Solve 2- to 3-Step Word Problems involving Multiplication and any one of addition/subtraction
Psychomotor:	Follow the steps in problem solving
Affective:	Practice the habit of being honest

### II. Learning Content

Skill:	Solving 2-3 step word problems involving multiplication and any one of addition/subtraction
References:	BEC-PELC I.D.3.1
Materials:	Textbooks, charts, flashcards, “Show Me Cards”, real objects
Value:	Honesty

### III. Learning Experience

#### A. Preparatory Activities

##### 1. Drill

The Teacher flashes the flashcards and the children write their answers on their “Show Me” board.

$$\begin{array}{r} 32 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 20 \\ \times 4 \\ \hline \end{array} \qquad \begin{array}{r} 83 \\ \times 3 \\ \hline \end{array} \qquad \begin{array}{r} 42 \\ \times 2 \\ \hline \end{array} \qquad \begin{array}{r} 21 \\ \times 2 \\ \hline \end{array}$$

##### 2. Review

Present the problem written on Manila Paper

Laura made 56 sampaguita garlands. Each garlands has 13 pieces of sampaguita. How many pieces of sampaguita did she use in all?

Ask:

- Who made sampaguita garlands?
- How many sampaguita garlands did she make?
- What is asked in the problem?
- What are given?
- What is the operation to be used to solve the problem?

Let the children solve the problem and show the answer in their “Show Me Board”.

### 3. Motivation

Present the word problem.

Gally bought 5 shirts for ₱ 94.50 each. If he had ₱ 475.00, how much change would he get?

Ask:

Who bought 5 shirts?

How much did each shirt cost?

How much money had he?

How much would he spend for his five shirts?

The salesgirl happened to give a change more than what Gally should receive? If you were Gally, what would you do? Why?

Is it good to return the money that does not belong to you? Why?

### B. Development Activities

#### 1. Presentation

- a. Using the problems in the motivation, ask the pupils to act out through “Play Store” wherein pictures or objects like shirts, play money, etc are used. A pupil will go to the store and buy shirts.
- b. Present the problem using a diagram.



- Read —► How many shirts were bought?  
How much did a shirt cost?  
How much money did Gally have?
- Plan —► What is the hidden question?  
The cost of 4 shirts  
What is asked?  
Change Gally would get  
What operation should be used?  
What is the number sentence?  
$$₱ 475 - ( ₱ 94.50 \times 5 ) = N$$

■ Solve

**STEPS 1** - Look for the cost 5 shirts.

₱ 94.50	cost of 1 shirt
<u>   x   5</u>	number of shirts bought
₱ 472.50	cost of 4 shirts

**STEP 2**

₱ 475.00	money of Gally
<u>- 472.50</u>	costs of 4 shirts
₱ 2.50	change

■ Check

Go over the solution.  
Is it correct?  
Is your answer reasonable?  
Is it complete?

**2. Guided Practice**

Learning Barkadas

Lbs will be given 5 two-step word problems to solve. The first Lbs who will get the most points wins.

Solve each problem.

1. Allan and Andy have one garden plot each. Allan has 4 rows of 12 pechays in each row. Andy has 5 rows of 10 pechay in each row. How many pechay plants do they have altogether?
2. Rafael is saving money for a new pair of pants worth ₱ 386.00. He has been saving ₱ 20.00 a day for ten days. How much more has he to save to buy new pants?
3. Mr. Rey went on a vacation. He bought 35 pasalubong items for his relatives and friends. If each item costs ₱ 50.00 and he gave the seller ₱ 2 000, how much change would he get?
4. In the canteen's refrigerator, there were four trays of eggs. Each tray had 12 eggs. The cook got 15 eggs. How many eggs were left in the refrigerator?

**3. Generalization**

Solve the following problems.

1. A “litson manok” vendor uses 2 sacks of charcoal a day. How much will be paid for charcoal in 30 days, if each sack costs ₱ 80.00?

- Cherry has ₱ 500.00. She bought 3 books at ₱ 150.00. How much did she pay for the books ? How much money was left?

#### IV. Evaluation

Read and solve the following problems.

- Joseph earned ₱ 35.00 each day for 5 days. He spend ₱ 55.00 for his snacks. How much money was left?
- Alyssa bought three kilograms of sugar at ₱ 26.00 per kilogram and a bottle of chocolate for ₱ 25.00. How much did she spend in all?

Using the table below, answer the questions that follow.

sandwich	₱ 25.00
Pineapple juice	₱ 15.00
cookies	₱ 10.00

- Alma bought 2 sandwiches and a can of pineaapple juice. How much did she spend in all?
- If bought 3 cookies, how much change would she get from her ₱ 50.00?
- If Marlon bought two packs of pineapple of juice and gave the vendor ₱ 100.00, how much change would he get?

#### V. Assignment

Solve these problems.

- Fely packed bottles of honey in 8 boxes. Each box had 3 layers of 12 bottles. How many bottles did Fely pack?
- Jun bought 18 baskets of mabolo. Each basket costs ₱ 90.00 How much change would he get form his ₱ 2,000.00?

