**EMERALD ROYAL INTERNATIONAL SCHOOL.**

**Lesson Plan/Note for Week One (1) Ending**

**13th January 2023**

**Term:** 2nd

**Week:** One

**Date:** 9th to 13th January 2023

**Class:** Grade 4

**Subject:** Mathematics

**Topic:** Money

**Sub-topic:** Profit and Loss

**Period:** 4th & 5th

**Time:** 10:30 - 11:50

**Duration:** Double lesson of 40 minutes each

**Number in class:** 12

**Average age:** 7+

**Sex:** Mixed

**Specific objectives:** By the end of the lesson, pupils should be able to:

1. Define profit and loss
2. Determine profit and loss percentage
3. Calculate simple interest

**Rationale:** To the pupils understand how to calculate profit and loss in any transaction.

**Previous knowledge:** The pupils have learnt about currency in their previous lesson.

**Instructional resources:** Various denominations of the Nigerian currency.

**Reference:** New General Mathematics for primary schools, primary 5 by J Aderohunmu, A Arigbabu, W Colyn, B Johns, J Philander

**LESSON DEVELOPMENT**

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| **STEPS** | **TEACHER’S ACTIVITIES** | **PUPILS’ ACTIVITIES** | **LEARNING POINTS** |
| **Introduction** | The teacher begin the lesson by asking the pupils to identify the various denominations of the Nigerian currency. | The pupils identify the displayed denominations of the currency displayed before them. | To arouse the pupils’ interest towards the lesson. |
| **Step I** | *Definition Of Profit & Loss*  Profit is when the selling price (SP) of an item is higher than the cost price (CP).  Loss is when the cost price (CP) of an item is lower the selling price (SP). | The pupils participate in the definition. | This is to ensure that the pupils understand the concept of profit and loss. |
| **Step II** | *Profit & Loss Percent (%)*  Profit and loss percentage is obtained when the profit or loss is divided by the cost price and then multiplied by 100.  % profit =  % loss =  Example  A trader bought 5 cups of beans for ₦1,000. She sold 1 cup of beans for ₦250.   1. Did she make a profit or loss? 2. Find the percentage profit or loss.   *Solution*   1. Cost price of   5 cups of beans =₦1,000  1 cup = = ₦200  The trader bought 1 cup of beans for ₦200 but she sold 1 cup of beans for ₦250. Therefore, she made a profit.   1. Selling price of   1 cups of beans = ₦250  Selling price of 5 cups of beans will be  = ₦2505  = ₦1,250  Profit = SP - CP  = ₦1,250 - ₦1,000  = ₦250  % profit =  =  = 25 | The pupils copy the note in their exercise books | For reference purpose |
| **Step III** | *Simple Interest (I)*  Simple interest (I) is the extra money gotten from saving some amount of money in a bank.  Simple interest is calculated as:  P = principal (amount saved in ₦)  R = rate (increase in %)  T = time (period in years)  Example.   1. What is the simple interest on ₦20,000 for 4 years at 2% per annum   *Solution* | The pupils listen to the teacher’s explanation. | To enable the pupils understand the lesson. |
| **Evaluation** | The teacher evaluates the pupils by giving them the following classwork.  Explain the meaning of these words.   1. Profit 2. Loss 3. Simple interest | The pupils solve the classwork in the exercise books. | To ascertain the pupils level of understanding of the lesson. |
| **Conclusion** | The teacher marks and make correction of the classwork on the board. | The pupils copy the correction | To better understanding. |
| **Assignment** | A dozen of notebooks costs ₦400. If each notebook was sold for ₦30, find:   1. The profit or loss 2. The percentage profit or loss. | The pupils copy the question. | To ensure the pupils understand the lesson. |



13th January, 2023

Deputy Head Instructor Admin

APPROVED!