**LESSON DEVELOPMENT THREE**

**PERCENTAGE INCREASE AND DECREASE**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1**  **Introduction**  **(5 minutes)** | Ask pupils to find 5% of ₦8 000.  Add them to add ₦400 to ₦8 000 and also subtract ₦400 from ₦8 000.  Let the pupils compare the results and comment on the difference.  Teacher’s remark – The increase and decrease in value is called percentage increase or decrease. | 5% of ₦8 000  = 5/100 x ₦8 000  = (5 x ₦8 000)/100  =. 5 x ₦80  = ₦400  ₦8 000 + ₦400 = ₦8 400.  ₦8 000 - ₦400 = ₦7 600.  The first value is increased by ₦400 while the second value is decreased by ₦400.  Listen to the teacher’s remark and lesson’s introduction – Percentage Increase and Percentage Decrease. | Linking the Previous knowledge to the new lesson |
| **Step 2**  **Development**  **(5 minutes)**  **Grouping** | 1. Groups the learners into four groups – A, B, C, and D.  2. Guide the learners to choose a leader and secretary for your group.  3. Gives each group learning materials – NMM Book 6. | 1. Belong to a group.  2. Choose their leader and secretary.  3. Received learning materials for their group. | Learner’s group, leader and secretary confirmed. |
| **Step 3 A**  **Development**  **(5 minutes)** | To increase an amount by a percentage – work the percentage out as normal, add the value obtained to the original amount.  If a quantity or amount increases by 6%, then it has increased from 100% to 106% of the original.  To decrease an amount by a percentage – work out the percentage as normal subtract the value obtained from the original amount.  If a quantity or amount decreases by 8% then it has decreased from 100% to 92% of the original. | Listen to the teacher’s explanation. | Increase and Decrease in Percentage |
| **Step 3 B**  **Development**  **(10 minutes)** | The bill for a dinner at a hotel was ₦7 500. If the service charge was 10%, find the total amount paid.  Mrs Alabi bought ₦160 000 worth of electronics and she was allowed 5% reduction in price. How much did she pay? | Work To Do | Percentage Increase and Decrease |
| **Step 4**  **Development – Individual/Groups Work**  **(5 minutes)** | Wrap up | Groups discussion | Groups work |
| **Step 5**  **Development**  **(5 minutes)** | Asks each group to present their answers so that you can compare responses with those in other groups.  Call out two or more groups for presentation. | Presentation | Presentation |
| **Step 6**  **Conclusion**  **(5 minutes)** | To conclude the lesson, the teacher revises the entire lesson and ask the key questions. | The learners listen, ask and answer questions. | Lesson Evaluation and Conclusion |