**LESSON DEVELOPMENT FOUR**

**ADDITION AND SUBTRACTION OF FRACTIONS**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1**  **Introduction**  **(5 minutes)** | Michael spent N40 of his pocket money on biscuit and N20 on sweets. What is the total amount of his pocket money has he spent altogether?  Teacher’s remark – The question attempt is known as word problems involving addiction of Whole numbers. Today, we are going to learn word problems involving addition and subtraction of mixed fractions. | Michael spent N40 on biscuit and N20 on sweets.  Amount spent  = N40 + N20 = N60  Listen to the teacher’s remark and lesson’s introduction – Word Problems Involving Addition and Subtraction of Mixed Numbers. | 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 4 | 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**  **Development**  **(10 minutes)** | Guide the pupils to attempt the question –  Michael spent 1/4 of his pocket money on biscuit and 1/10 on sweets. What fraction of his pocket money has he spent altogether?  Segun bought 3 1/4 kg of nails. After using some nails, he had 1 4/5 kg of nails left. What weight of nails did he use? | Michael spent altogether  1/4 + 1/10  LCM of 4 and 10 is 20  1/4 + 1/10  = 5 + 2  2 0  = 7/20  Segun used  3 1/4 – 1 4/5  = (3 + 1) 5 – 4  20  = 4 1/20 | Addition and subtraction of fractions |
| **Step 4**  **Development – Individual/Groups Work**  **(10 minutes)** | Guide the groups to simplify the following –  Noah poured 2 1/2 litre of boiling water into a bucket of 8 3/4 litre of water. What is the total volume of water in the bucket?  Tope bought 3 12 kg of rice. She cooked 1 34 kg of it. How much rice did she have left? | 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 |