**LESSON DEVELOPMENT FOUR**

**OPEN SENTENCES – SIMPLE EQUATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1**  **Introduction**  **(5 minutes)** | Guides the pupils to recite multiplication table –  1. 15 + [ ] = 20  2. [ ] – 5 = 15  3. 5 x [ ] = 15  4. 8 ÷ [ ] = 4 | **HANDS ON ACTIVITIES**  1. 15 + 5 = 20  2. 20 – 5 = 15  3. 5 x 3 = 15  4. 8 ÷ 2 = 4 | 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. – charts of equations. | 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**  **(5 minutes)** | Guides the groups to compare these equations –  1. 15 + [ ] = 20 and 15 + a = 20  2. [ ] – 5 = 15 and b – 5 = 15 | **MIND ON ACTIVITIES**  Each group identified the [ ] and letter **a** and **b** both equations. | Simple equation – addition and subtraction |
| **Step 4**  **Development**  **(5 minutes)** | Guides the groups to compare these equations –  1. 15 x [ ] = 30 and 15 x a = 30  2. [ ] ÷ 5 = 3 and b ÷ 5 = 3 | **MIND ON ACTIVITIES**  Each group identified the [ ] and letter a and b both equations. | Simple equation – multiplication and subtraction |
| **Step 5**  **Development**  **(15 minutes)** | Guides the pupils on how to solve these equations –  1. 15 + a = 20  2. b – 5 = 15  3. 15 x a = 30  4. b ÷ 5 = 3  Note – The teacher will not bother the pupils with too much of letters. | **HANDS ON ACTIVITIES**  1. 15 + a = 20  a = 20 – 15 = 5  Therefore, 15 + 5 = 20.  2. b – 5 = 15  b = 15 + 5 = 20  Therefore, 20 – 5 = 15  3. 15 x a = 20  a = 30 ÷ 15 = 2  Therefore, 15 x 2 = 30  4. b ÷ 5 = 3  b = 5 x 3 = 15  Therefore, 15 ÷ 5 = 3 | Working Examples on simple equations |
| **Step 6**  **Conclusion**  **(5 minutes)** | To conclude 4the lesson, the teacher revises the entire lesson and ask the key questions.  **Keys questions – Assignment**  1. a + 12 = 20  2. 15 – b = 10  3. a x 3 = 15  4. 10 ÷ 2 = 5 | Pupils listen, ask and answer questions.  Assignment taken. | Conclusion and assignment |