**LESSON DEVELOPMENT ONE**

**SQUARE OF WHOLE NUMBERS**

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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 multiply the following numbers by itself – 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10.  Teacher’s remark – 1 x 1 is written as 1^2 = 4 , 2 x 2 is written as 2^2 = 4. This called square of a number. | 1 x 1 = 1  2 x 2 = 4  3 x 3 = 9  4 x 4 = 16,….  Listen to the teacher’s remark and lesson’s introduction – Square of Whole Numbers Up to 50. | 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 – square chart. | 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)** | Guide the pupils to write the numbers 3 – 20 as the square itself. |  | Writing a number a square of itself. |
| **Step 4**  **Development**  **(15 minutes)** | Guide the groups to the square of the following numbers – 11, 15, 23 and 51. | 1. 11^2 = 11 x 11   |  |  |  |  | | --- | --- | --- | --- | |  |  | T | U | |  |  | 1 | 1 | |  | x | 1 | 1 | |  |  | **1** | **1** | | **+** | **1** | **1** |  | |  | 1 | 2 | 1 | | Evaluation |
| **Step 4**  **Development**  **(5 minutes)** | Wrap up. | Groups work. | Groups Evaluation |
| **Step 5**  **Development**  **(5 minutes)** | Asks each group to present their answers so that you can compare responses with those of other groups.  Call on one or two 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 Conclusion |

