**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 = 12 x 2 = 43 x 3 = 94 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  |

