**LESSON DEVELOPMENT ONE**

**SQUARE ROOT 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 find the square of the following numbers – 4 and 5. Find the square root of the following numbers – 9 and 25. Teacher’s remark – In today’s lesson, we are going to be add and subtract square or square root of whole numbers.  | 4^2 = 4 x 4 = 85^2 = 5 x 5 = 25√9 = √(3 x 3) = 3√25 = √(5 x 5) = 5Listen to the teacher’s remark and lesson’s introduction – Addition and Subtraction of Square and Square Root of Whole 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 – square and square roots 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****(15 minutes)** | Guide the pupils to use the chart to find the value of the following. 1. 4^2 + √92. √25 + 8^2 3. √81 + √1004. 8^2 + √64 | 4^2 + √9= 16 + 9= 25 | Addition and Subtraction of Square and Square Root of Whole Numbers  |
| **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  |

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