**LESSON DEVELOPMENT FOUR**

**LINES OF SYMMETRY**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1****Introduction – Introductory Activities** **(5 minutes)** | Gives pupils a plain paper and asks them to fold the paper into 2 equal parts.Tells them to draw a line with ruler on folded paper.Asks them, how many times can the paper can be fold equally? | Expected response – 2 or 4 times  | Linki 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 – plain papers, mathematical sets with long rulers. Sample/chart of 2/3 dimensional shapes.  | 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 – Groups Activities** **(5 minutes)** | Tells the pupils that the lines are called lines of symmetry. Lines of symmetry divide a shape into equal parts. When a shape is divided equally, both parts must be like. ***Asks pupils – what shape is the plain paper? How many lines of symmetry in a rectangle?***  | The shape is a rectangle. It has 2 or 4 lines of symmetry (Expected Answer).Lets the pupils know that a rectangle has 2 lines of symmetry. | Number of lines of symmetry in a rectangle.  |
| **Step 4****Development – Groups Activities** **(10 minutes)** | **GUIDED INSTRUCTIONS** Find the number of lines of symmetry in the following shapes.  | **Shapes/Lines of symmetry****Square** **Rectangle, 2 lines** **Circle** **Oval** **Triangle,….**  | Lines of symmetry  |
| **Step 5****Development – Presentation** **(10 minutes)** | Asks each group to present their results/solutions so that you can compare responses with those in other groups. | **Presentation – Call on any member of at least two pairs in each to make presentation to the class.** | Group Presentation  |
| **Step 7****Conclusion****(5 minutes)** | To conclude the lesson, the teacher revises the entire lesson and ask the key questions. **SUMMARY** Lines of symmetry divide a shape into equal parts. When a shape is divided equally, both parts must be like.  | The learners listen, ask and answer questions.**KEY QUESTIONS - *Find if the a to z can be divided into equal parts and how times?***  | Lesson Evaluation and Conclusion  |

***Reference book – New Method Mathematics Book 6.***

*******Instructional Materials***