**LESSON DEVELOPMENT THREE**

 **LINE (S) OF LINE (S) OF SYMMETRY – RECTANGLE AND CIRCLE**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1****Introduction – Introductory Activities** **(5 minutes)** | 1. \_\_\_\_\_\_\_\_\_ is a line(s) that divide into equal and similar parts. (a) line of symmetry (b) straight line (c) curve line 2. Triangle has \_\_\_\_\_\_\_\_\_ lines of symmetry. (a) 2 (b) 3 (c) 43. Square has \_\_\_\_\_\_\_\_\_ lines of symmetry. (a) 2 (b) 3 (c) 44. Line(s) of symmetry is one of the properties of a triangle and square. ***True or False*** | 1. (a) 2. (b)3. (4)4. True  | 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 – cut – out the shapes of rectangle and circle. Chart showing triangle and square.  | 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** **(10 minutes)** | Guides the pupils to fold rectangle into equal and similar parts. Brings out the square folded in the previous lesson. Guides them to prove why square has 4 lines of symmetry and rectangle has 2 lines of symmetry.  |  | Lines of symmetry in rectangle and square  |
| **Step 4****Development – Groups Activities and Presentation** **(10 minutes)** | Guides pupils to fold (as many times possible) a circle into equal and similar parts. As they fold, asks them to trace each line with pencil and ruler. Asks them how many lines of symmetry in a rectangle and circle.   | A circle has uncountable lines of symmetry while rectangle and 2 lines of symmetry. | Line(s) of symmetry  |
| **Step 5****Development****(10 minutes)**  | To conclude the lesson, the teacher revises the entire lesson and ask the key questions. **SUMMARY** You can find if a shape has a Line of Symmetry by folding it. When the folded part sits perfectly on top (all edges matching), then the fold line is a Line of Symmetry.Line(s) of symmetry is one of the properties of a triangle and square.  | The learners listen, ask and answer questions.**KEY QUESTIONS**1. Rectangle and square have the same number of symmetry. **True or False**2. Triangle has \_\_\_\_\_\_\_\_\_ lines of symmetry. (a) 2 (b) 3 (c) 43. Circle has \_\_\_\_\_\_\_\_\_ lines of symmetry. (a) 2 (b) 3 (c) 44. Draw the lines of symmetry on the following shapes.  | Lesson Evaluation and Conclusion  |

***Reference materials – New Method Mathematics Book 1 2 3***

***Instructional Materials***