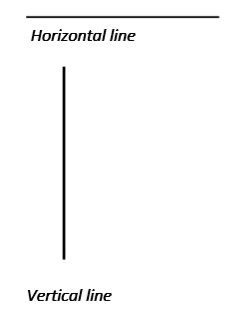
**LESSON DEVELOPMENT THREE**

**HORIZONTAL AND VERTICAL LINES**

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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. **Draw** 5 different lines.  2. **Compare** each of your line with these two lines. |  | 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 – cube or cuboid cartoon. | 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)** | ***Lets*** pupils identify the lines by names – horizontal and vertical lines.  ***Guides*** them to differentiate between horizontal and vertical lines with practical illustrations – vertical (standing) and horizontal (lying down) |  | Identification of horizontal and vertical lines by names. |
| **Step 4**  **Development – Groups Activities**  **(10 minutes)** | **GUIDED INSTRUCTIONS**  ***When*** 3 or more lines joined together, they formed a shape.  ***How*** many line formed this shape?  ***How*** many of these lines arevertical and horizontal lines.  ***The*** face of this shape looks like ***square or rectangular*** face?  **Name** five (5) shapes that the represent – for example, Maggi cube. | The shape has 12 lines.  It has 4 vertical lines and 8 horizontal lines.  It has a square faces.  Cube of sugar, cartoon, a room, classroom and table top fridge. | Vertical and horizontal lines |
| **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.  **KEY QUESTIONS –**  How many vertical (V) and horizontal (H) are in the following shapes? | The learners listen, ask and answer questions.  **H \_\_\_\_, V \_\_\_\_**  …. **H \_\_\_\_, V \_\_\_\_**  …. **H \_\_\_\_, V \_\_\_\_** | Lesson Evaluation and Conclusion |

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

***Instructional Materials***

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