**LESSON DEVELOPMENT ONE**

**RATIO AND PERCENTAGE**

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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 count the number of squares box on the chart.  Ask them to count the number of the shaded parts and write it as the ratio of the total squares.  Ask pupils to express the ratio as fraction.  Teacher’s remark – A fraction whose denominator is 100 is known as a percentage. | The total number of the square is 100.  The total number of the shaded parts is 10.  The ratio of the shaded parts to the to the total square boxes is 10 : 100.  10 : 100 = 10/100  Listen to the teacher’s remark and lesson’s introduction – Ratio and Percentage. | 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 – NMM Book 6. | 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 A**  **Development**  **(5 minutes)** | Guide the pupils to express ratio as percentage.  Express each of the following ratio into percentage:  6 : 5  8 : 25 | 6 : 5  = 6/5  = (6/5 × 100) %  = 600/5 %  = 120%  8 : 25  = 8/25  = (8/25 × 100) %  = 32% | Express Ratio as Percentage |
| **Step 3 B**  **Development**  **(5 minutes)** | Guide the pupils to express percentage as ratio. Express each of the following percentage as ratios in the simplest form –  46 %  20 % = 20/100 = 1/5 = 1 : 5 | 46 %  = 46/100  = 23/50  = 23 : 50  20 %  = 20/100  = 1/5  = 1 : 5 | Subtraction of Fractions |
| **Step 4**  **Development – Individual/Groups Work**  **(10 minutes)** | Express each of the following ratio into percentage –  10 : 50  4 : 5  7 : 25  Express each of the following percentage as ratios in the simplest form –  125%  1 % | Groups discussion | Groups work |
| **Step 5**  **Development**  **(5 minutes)** | Asks each group to present their answers so that you can compare responses with those in other groups.  Call out two or more 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 Evaluation and Conclusion |