**LESSON DEVELOPMENT TWO**

**EXPRESS A NUMBER AS A PERCENTAGE OF ANOTHER NUMBER**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1****Introduction** **(5 minutes)** | Ask pupils – what is the shaded part of the square? Teacher’s remark – The shaded part of the square is 27/100.That is 27 out of 100 (denominator is 100)A fraction whose denominator is 100 is known as a percentage. Another way of describing this part of a whole is to say 27% of the circle is shaded.10% means 27 out of 100 (we say 27 percent).Today, we are going to be express a number as percentage of another number.  | The shaded parts of the square is 27/100.Listen to the teacher’s remark and lesson’s introduction – Express a number as a percentage of another number.  | 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)** | To write a number or quantity as a percentage of another – 1. write the first number or quantity as a fraction of the second . 2. multiply the fraction by 100.Guide the pupils to express a number or quantity as a percentage of another number. Michael scored 36 marks out of 60. Express the marks in percentage. | Listen to the teacher’s explanation and follow his/her instructions.Michael scored 36 marks out of 60.Marks scored – 36Total marks – 60Ratio – 36 : 60Fraction – 36/60Percentage – 36/60 x 100= (36 x 100)/60=. 3 600/60= 60% | Percentage of two numbers. |
| **Step 3 B****Development****(5 minutes)** | Guide the pupils to find 12% of 60.Teacher’s remark – The result is 20 not 20%. | Follow the teacher’s instructions and attempt the given question.12% of 60= (12 x 100)/60= 1 200/60= 20.Listen to the teacher’s remark.  | Subtraction of Fractions  |
| **Step 4****Development – Individual/Groups Work** **(10 minutes)** | Guide the pupils to attempt the questions – 40% of a village school population were girls. What per cent were boys? If there were 250 pupils, how many were girls? | 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  |