**LESSON DEVELOPMENT TWO**

**MULTIPLICATION OF DECIMAL NUMBERS**

|  |  |  |  |
| --- | --- | --- | --- |
| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1****Introduction** **(5 minutes)** | Ask the pupils to multiply 101 by 15. Teacher’s remark – To multiply decimal number by another decimal number is the same procedure as whole number except the decimal point.  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | H | T | U |
|  |  | 1 | 0 | 1 |
|  |  | X  | 1 | 5 |
|  |  | **5** | **0** | **5** |
| **+** | **1** | **0** | **1** |  |
|  | 1 | 5 | 1 | 5 |

Listen to the teacher’s remark and lesson’s introduction – Multiplication of Decimal Numbers by Decimal 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 – multiplication tables.  | 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****(5 minutes)** |  Guide and lead the pupils to multiply 6.51 by 2.66.51 x 6 = 39066.51 x 2 = 1 302Let them take note of number of digits after the decimal point from the right hand side and add the digits together. Therefore the answer will have 3 digits to the right of the decimal point. | Follow the teacher’s lead an

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | 6**.**  | 5 | 1 | 2 |
|  |  | X |  | 2**.**  | 6 | 1 |
|  |  | **3** | **9** | **0** | **6** |  |
| **+** | **1** | **3** | **0** | **2** | **-** |  |
|  | 1 | 6.  | 9 | 2 | 6 |  |

6.51 has two digits to the right of the decimal point.2.6 has one digit to the of the decimal point. 2 digits + 1 digits = 3 digits. 6.51 x 2.6 = 16.926 | Multiplication of Decimal Numbers by Decimal Numbers  |
| **Step 4 A****Development****(10 minutes)** | Multiply 98.4 by 1.7 and 2.61 by 5.6. | Individual work  | Evaluation  |
| **Step 4 B****Development****(5 minutes)** | Wrap up individual work within their group.  | Groups work.  | Groups Evaluation  |
| **Step 5****Development** **(10 minutes)**  | Asks each group to present their answers so that you can compare responses with those of other groups.Call on one or two 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 Conclusion  |