**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 2.6  6.51 x 6 = 3906  6.51 x 2 = 1 302  Let 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 |