**LESSON DEVELOPMENT ONE**

**OPEN SENTENCES INVOLVING ADDITION AND SUBTRACTION**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1**  **Introduction**  **(5 minutes)** | **Asks pupils to solve these questions:**  1. 4 + 5 =  2. 13 – 8 =  3. 7 x 5 =  4. 21 ÷ 7 = | **Pupil’s working**  1. 4 + 5 = 9  2. 13 – 8 = 5  3. 7 x 5 = 35  4. 21 ÷ 7 = 3 | Previous knowledge confirmed. |
| **Step 2**  **Development**  **(5 minutes)** | 1. Groups the pupils into four groups – A, B, C, and D.  2. Guide the pupils to choose a leader and secretary for your group.  3. Gives each group learning materials. | 1. Belong to a group.  2. Choose their leader and secretary.  3. Received learning materials for their group. | Pupil’s group, leader and secretary confirmed. |
| **Step 3**  **Development**  **(5 minutes)** | **Asks pupils to *Fill in the brackets.***  1. 12 + (\_\_\_) = 25  2. 45 - (\_\_\_) = 32  3. (\_\_\_)  x 5 = 45  4. 45/(\_\_\_) = 5 | Solutions  1. 12 + (13) = 25  2. 45 - (13) = 32  3. (9) x 5 = 45  4. 45/(9) = 5 | Simple problems on open sentences |
| **Step 4**  **Development**  **(5 minutes)** | Read and interpret the statement to confirm if the statements are true or false.  1. Five plus two equal to seven.  2. Twenty three minus five equal to fifty.  3. Four multiple by four equal to eighteen.  4. Nine divided by two equal four.  *Teacher’s remark - The above are known as open sentences. An open sentence can be either true or false depending on what values are used.* | 1. Five plus two equal to seven.  5 + 2 = 7, true  2. Twenty three minus five equal to fifty.  23 - 5 = 50, false.  3. Four multiple by four equal to eighteen.  4 x 4 = 18, false.  4. Nine divided by two equal four.  9/2 = 4, false.  Listen to the teacher’s remarks. | Read and interpret simple statements |
| **Step 4**  **Individual’s/Group’s Work and Presentation**  **(15 minutes)** | Quantitative Reasoning  1. 5 + A = 12  2. 29 – 19 = B  3. 93 - C = 74  4. D + 9 = 41  5. E + 1.6 = 7.2  6. 8.3 – 3.8 = F  7. 4.8 + 9.6 = G | **Work in progress** | **Presentation** |
| **Step 5**  **(5 minutes)** | **CONCLUSION**  To conclude the lesson for the week, the teacher revises (through questions and answers) the entire lesson and links it to the next lesson. | Listen, ask and answer questions. | Open sentences involving addition and subtraction |