**LESSON DEVELOPMENT ONE**

 **APPLICATIONS OF RATIO**

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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 copy and complete the following –5 : 15 = \_\_\_ : 3\_\_\_ : 12 = 4 : 3 | Expected response –5 : 15 = **1** : 3**16** : 12 = 4 : 3 | 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 – Flash cards.  | 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****(10 minutes)** | Guide the pupils – Increase 90 in the ratio of 4 : 3. | 4 : 3 = 4/3= (4 x 90)/3= 360/3= 12090 + 120 = 210 | Increase by certain ratio  |
| Decrease 3600 in the ratio of 10 : 5. | 5 : 10 = 5/10= (5 x 3600)/10= 5 x 360= 1800= 3600 – 1800 = 1800 | Decrease by certain ratio  |
| **Step 4****Development****(15 minutes)** | Guide the pupils to use ratio to share things between two or more people. A 50 kg bag of bean is shared between Mrs. Segun and Mrs Michael in the ratio of 2 : 3.**Guided Instructions** Identify each person with her are portion. Add the two ratio together. Divide the total ratio by 50 kg. Multiple the result by each person portion.  | Follow the teacher’s lead. Read the question and do as the teacher instructed. Mrs. Segun – ratio 2 and Mrs. Michael ratio 3.Ratio 2 + 3 = 5(50 kg)/5 = 10Mrs. Segun = 10 kg x 2 = 20 kg. Mrs. Michael = 10 kg x 3 = 30 kg.  |  Sharing by ratio  |
| Mr. Alabi is a farmer. He spends the 24 hours in a day in this ratio, working : resting = 5 : 7. How many hours does he spend a) working b) resting? | 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 two or more representatives 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  |