**MATHEMATICS LESSON PLAN**

**GRADE 7**

**TERM 2: APRIL – JUNE**

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| **PROVINCE:** |  |
| **DISTRICT:** |  |
| **SCHOOL:** |  |
| **TEACHER’S NAME:** |  |
| **DATE:** |  |
| **DURATION**: | 1 Hour |

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| 1. **TOPIC: DECIMAL FRACTIONS: Multiplication of decimal fractions (Lesson 4)** |

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| 1. **CONCEPTS & SKILLS TO BE ACHIEVED:**   **By the end of the lesson learners should know and be able to:**   * Multiply decimal fractions to at least three decimals by whole number. |

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| 1. **RESOURCES:** | Sasol-Inzalo Book 1, DBE Workbook 1, textbook.Calculator. |
| 1. **PRIOR KNOWLEDGE:** | Multiplication of decimal fractions done in Grade 6 |
| 1. **REVIEW AND CORRECTION OF HOMEWORK** (suggested time: 10 minutes)   Homework provides an opportunity for teachers to track learners’ progress in the mastery of mathematics concepts and to identify the problematic areas which require immediate attention. Therefore it is recommended that you place more focus on addressing errors from learner responses that may later become misconceptions. | |
| 1. **INTRODUCTION** (Suggested time: 10 Minutes)   Revise the multiplication of decimal fractions by using the following activities:  **Activity**   1. Complete the following multiplication table.  |  |  |  |  | | --- | --- | --- | --- | |  | multiply by 3 | multiply by  5 | multiply by 10 | | 3,12 |  |  |  | | 0,5 |  |  |  | | 3,72 |  |  |  | | 15,25 |  |  |  | | 0,2 |  |  |  |     b) Estimate the answers to each of the following and then calculate:  0,5 × 7 0,45× 5 15 × 0,15 0,451 × 4  c) What does 6 × 0,5 megabytes (MB) of data mean?    **Possible answer:**   1. × 0,5 megabytes (MB) of data means 6 groups of   = + + + + + = 3  d) What does 0,5 × 6 mean?    **Possible answer:**  of 6 = × 6 = 3 | |

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| 1. **LESSON PRESENTATION/DEVELOPMENT** (Suggested time: 20 minutes) | |
| **Teaching activities** | **Learning activities**  (Learners are expected to :) |
| **Activity 1 (Groups)**  Multiply the following decimal fractions and then verify your answers using a calculator.   1. 0,3 × 2 b) 0,03 × 2 c) 0,003 × 2   d) 0,123 × 5 e) 1, 503 × 3 f) 76,005 × 10  **Activity 2 (Individually)**  Multiply the following decimal fractions and then verify your answers using a calculator.   1. 0, 12× 4 b) 3,85 × 7 c) 8 × 40,125 | * Calculate the solutions and present to the class. * Work out the solutions for all activity as individuals |
| 1. **CLASSWORK** (Suggested time: 15 minutes) 2. Sasol-Inzalo book 1. Page 197: 1 (a) – (c) and 2 (c) and (d) 3. Pule ran 1,853 km three times on Sunday morning and he ran 1,666km five times in the afternoon the same day. How many kilometres did Pule ran altogether on Sunday? | |
| 1. **CONSOLIDATION/CONCLUSION & HOMEWORK (Suggested time: 5 minutes)** | |
| 1. **Emphasise that**:  * When we multiply decimal fractions estimate the answer. Multiply as whole numbers ignore the decimal comma (point). Place the comma at the right position.  1. **Homework:**   The primary purpose of Homework is to give each learner an opportunity to demonstrate mastery of mathematics skills taught in class. Therefore Homework should be purposeful and the principle of ‘Less is more’ is recommended, i.e. give learners few high quality activities that address variety of skills than many activities that do not enhance learners’ conceptual understanding.  Carefully select appropriate activities from the Sasol-Inzalo Books, DBE workbooks and/or textbooks for learners’ homework. The selected activities should address different cognitive levels.  **DBE workbook 1**  Page 106 no. 2 ( a – f) and page 107 no 4(b – g) | |