**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: Calculation techniques**  **(Lesson 7)** |

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| 1. **CONCEPTS & SKILLS TO BE ACHIEVED:**   **By the end of the lesson learners should know and be able to:**   * Use knowledge of place value to estimate the number of decimal places before performing calculations * Use rounding off and a calculator to check results. |

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| 1. **RESOURCES:** | Sasol-Inzalo Book 1, DBE Workbook 1, textbook. |
| 1. **PRIOR KNOWLEDGE:** | Calculation techniques 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)   **Activity**  Consider the following decimal fractions and answer the questions.   |  | | --- | | 1. 2,345 b) 4, 678 c) 1,953 d) 564, 34 |      1. Write the value (in decimal fraction) and the place value of each of the underlined digits. 2. Round off the decimal fractions to ONE decimal place. | |

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| 1. **LESSON PRESENTATION/DEVELOPMENT** (Suggested time: 20 minutes) | |
| **Teaching activities** | **Learning activities**  (Learners are expected to :) |
| **Activity 1 (Pairs)**  Write each of the following as one number and rounded-off to TWO decimal places.   1. 3 + 0,06 + 0,008 2. 7 + 0,02 + 0,5 + 0,001 3. 55,34 – 4,12 4. 0,95 – 0,005 – 0,002   **Activity 2 (Pairs)**  Estimate the answers of the following and then calculate. Round off the answers to two decimal places.   1. 0,65 × 0,5 2. 9,42 ÷ 3   **Activity 3 (Pairs)**  A super market sells milk at R 5, 95 per litre. How much will 8 litres of milk cost? (Estimate the answer then calculate)  **Activity 4 ( Individually)**  Complete the following flow diagram. Round off the answer to two decimal places. | * Estimate and calculate the solutions |
| 1. **CLASSWORK** (Suggested time: 15 minutes)   Sasol-Inzalo book 1: Page 192   1. Say it nearly but not quite: no. 3 2. Round off to help you calculate: no. 1, 2 and 3. | |
| 1. **CONSOLIDATION/CONCLUSION & HOMEWORK (Suggested time: 5 minutes)** | |
| 1. **Emphasise that**:  * When doing calculation on decimal fractions, learners must first estimate the answer and then calculate. * Place the decimal comma at the appropriate position.   b) **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 108 no. 5 (a) – (f) | |