**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: Solving problems**  **(Lesson 8)** |

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| 1. **CONCEPTS & SKILLS TO BE ACHIEVED:**   **By the end of the lesson learners should know and be able to:**   * Solve problems in context involving decimal fractions. |

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| 1. **RESOURCES:** | Sasol-Inzalo Book 1, DBE Workbook 1, textbook. |
| 1. **PRIOR KNOWLEDGE:** | Solving problems in context involving 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. | |
| **INTRODUCTION** (Suggested time: 10 Minutes) | |
| **Activity**     1. Paul buys 2,5kg of fruits at R48, 45 per kilogram, how much does she pay for the  fruits?   Solution: Estimation- 48,45 x 3,5 ≈ 50 x 3 ≈ 150  The actual amount is: 48,45 x 2.5 = R121,125  Paul pays R121,13   1. John works for 4, 30 hours and is paid R196, 50 for the shift. What is her hourly rate of pay?   Estimation:  ≈ 40  The actual amount is:  John is paid R45,70 per hour | |

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| 1. **LESSON PRESENTATION/DEVELOPMENT** (Suggested time: 20 minutes) | |
| **Teaching activities** | **Learning activities**  (Learners are expected to :) |
| **Activity 1 (Pairs)**   1. A soccer field is 3, 75 m. If an athlete ran 5 times the distance of the soccer field. How many meters did the athlete run? 2. There is a clinic between a school and a house. The clinic is 1, 5 times the distance from the   house. If the distance from the school is 3,326 km to the clinic, how far is the school from the house?   **Activity 2 (Individually)**  Dineo buys 0, 85 m of steel chain. The steel chain costs R40 per metre. How much does Dineo pay for the steel chain? | * Estimate and calculate the solutions. Present the solutions. * work out the solutions for all activity as individuals |
| 1. **CLASSWORK** (Suggested time: 15 minutes) 2. A farmer buys 12, 5 times of 2, 35 kg of manure at R5, 69 per kilogram. 3. How many kilogram of manure did he buy? 4. If the farmer has R 315, 95, how many kilograms of manure can he get? 5. A farm house uses 270, 50 kWh (kilowatt-hour) per month for electricity. If the cost of 1kWh is R 2, 30. Calculate the cost of the electricity they use every month. | |
| 1. **CONSOLIDATION/CONCLUSION & HOMEWORK (Suggested time: 5 minutes)** | |
| a) **Emphasise that**:   * Learners need to apply different mathematical skills to solve problems associated with decimal fractions.   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.  **HOMEWORK:**  Sasol Inzalo Work book 1 Page 194 , no 2,3,5 & 6 | |