**MATHEMATICS LESSON PLAN**

**GRADE 7**

**TERM 1: April - June**

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

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| 1. **TOPIC: COMMON FRACTIONS**: Percentages **(Lesson 7)** |

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| 1. **CONCEPTS & SKILLS TO BE ACHIEVED:**   **By the end of the lesson, learners should be able to :**   * Calculate the percentage of part of a whole. |

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| 1. **RESOURCES:** | DBE workbook 1, Textbooks |
| 1. **PRIOR KNOWLEDGE:** | * addition, subtraction, multiplication and division of integers * simplifying algebraic expression * multiplication table up to at least 12 × 12 |
| 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. | |

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| 1. **INTRODUCTION**(Suggested time: 10 Minutes)   **ACTIVITY (Small groups)**  Remind learners that “percent” means per one hundred  a) Write the following percentages as fractions in the simplest form.   1. 30% 2. 75% 3. 115% 4. Write  as a percentage. | |
| 1. **LESSON PRESENTATION/DEVELOPMENT**(Suggested time: 20 minutes) | |
| **Teaching activities** | **Learning activities**  (Learners are expected to:) |
| **ACTIVITY 1 (Worked examples)**  **Example 1**  Write 50% as a simple common fraction.  Solution: 50% =  = |  |
| **Example 2**  Express  as a percentage.  Solution:  =  ×  = = 40%  **Example 3**  Calculate 20% of R500.  Solution: 20% of R500 = × R500  = = R100  **ACTIVITY 2 (Pairs)**  Calculate: 30% of R900 |  |
| 1. **CLASSWORK**(Suggested time: 15 minutes)   DBE Workbook 1 page 95 No. 3 (a) – (c) and No. 4 (a) – (c) | |
| 1. **CONSOLIDATION/CONCLUSION& HOMEWORK (Suggested time: 5 minutes)** | |
| 1. **Emphasis that:**  * Percentage means per one hundred * Conversion of a fraction into percentage and percentage into fractions.  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, workbooks and/or textbooks   for learners’ homework. The selected activities should address different cognitive levels.  **Recommended Homework**  DBE Workbook 1: Page 94, No. 1 (a) – (f) and page 95, No. 4 (d) – (f)  Sasol-Inzalo book 1: Page 172, No. 12 (b) | |