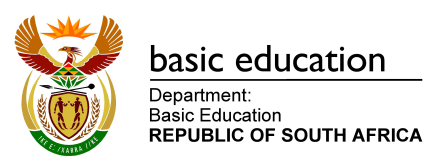
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**MATHEMATICS LESSON PLAN**

**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: COMMON FRACTIOS**: Calculation techniques **(Lesson 5)** |

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| 1. **CONCEPTS & SKILLS TO BE ACHIEVED:**   **By the end of the lesson, learners should be able to :**   * Convert mixed numbers to common fractions in order to perform calculations with them * Use knowledge of multiples and factors to write fractions in the simplest form before and after calculations. * Use knowledge of equivalent fractions to add and subtract common fractions. |

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| 1. **RESOURCES:** | DBE workbook 1, Sasol-Inzalo book 1, Textbooks |
| 1. **PRIOR KNOWLEDGE:** | * Convent mixed numbers to common fractions * Multiples and factors * Equivalent fractions, addition and subtraction |
| 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**  Convert the following into common fractions.       Complete the following fractions by making them to be equal.   1. = 2. = 3. = | |

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| 1. **LESSON PRESENTATION/DEVELOPMENT**(Suggested time: 20 minutes) | |
| **Teaching activities** | **Learning activities**  (Learners are expected to:) |
| **Activity (Small groups)**  Simplify the following:   1. 3 halves + 2 quarters 2. + | * Calculate solutions |
| 1. - 2. x 3. of 150 | * Present solutions to the class showing the calculation techniques used to find solutions |

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| 1. **CLASSWORK**(Suggested time: 15 minutes) |
| DBE workbook 1,page 89 No. 3 (a) – (f) and page 88, No. 2 (a) – (f) |

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| 1. **CONSOLIDATION/CONCLUSION& HOMEWORK (Suggested time: 5 minutes)** |
| 1. **Emphasis that:**  * Mixed numbers must be converted to proper or improper fractions to simply common fractions calculations * When several mathematics operations are involved, BODMAS principle must be applied.  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.  Homework  Sasol-Inzalo book 1: page 178, No. 6 (a) – (d) and No. 8 (a) – (d) |