

## **COURSE: NUMBER OPERATIONS [1231]**

### **Module 1. GRADE 7 – WHOLE NUMBERS AND EXPONENTS [12311]**

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| Lesson 1. MENTAL CALCULATIONS  | [123111] |
| Lesson 2. THE PROPERTIES OF WHOLE NUMBERS                            | [123112] |
| Lesson 3. MULTIPLES AND FACTORS                                      | [123113] |
| Lesson 4. COMPARING NUMBERS AND SOLVING PROBLEMS IN EXPONENTIAL FORM | [123114] |
| Lesson 5. SOLVING PROBLEMS WITH WHOLE NUMBERS                        | [123115] |
| Lesson 6. FINANCIAL PROBLEMS   | [123116] |

### **Module 2. GRADE 7 – INTEGERS AND COMMON FRACTIONS [12312]**

|   |          |
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| Lesson 1. COUNTING, ORDERING AND COMPARING INTEGERS       | [123121] |
| Lesson 2. SOLVING PROBLEMS INVOLVING INTEGERS             | [123122] |
| Lesson 3. ADDITION AND SUBTRACTION OF COMMON FRACTIONS    | [123123] |
| Lesson 4. MULTIPLICATION AND DIVISION OF COMMON FRACTIONS | [123124] |
| Lesson 5. PERCENTAGES AND EQUIVALENT FORMS                | [123125] |

### **Module 3. GRADE 7 – DECIMAL FRACTIONS [12313]**

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| Lesson 1. ORDERING, COMPARING AND ROUNDING OFF FRACTIONS                        | [123131] |
| Lesson 2. MULTIPLICATION AND DIVISION OF DECIMAL FRACTIONS                      | [123132] |
| Lesson 3. EQUIVALENT FORMS: DECIMAL FRACTIONS, COMMON FRACTIONS AND PERCENTAGES | [123133] |

### **Module 4. GRADE 8 – WHOLE NUMBERS AND EXPONENTS [12314]**

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| Lesson 1. MENTAL CALCULATIONS  | [123141] |
| Lesson 2. THE PROPERTIES OF WHOLE NUMBERS                            | [123142] |
| Lesson 3. MULTIPLES AND FACTORS                                      | [123143] |
| Lesson 4. COMPARING NUMBERS AND SOLVING PROBLEMS IN EXPONENTIAL FORM | [123144] |
| Lesson 5. SOLVING PROBLEMS WITH WHOLE NUMBERS                        | [123145] |
| Lesson 6. FINANCIAL PROBLEMS   | [123146] |

### **Module 5. GRADE 8 – INTEGERS AND COMMON FRACTIONS [12315]**

|   |          |
|---|----------|
| Lesson 1. COUNTING, ORDERING AND COMPARING INTEGERS       | [123151] |
| Lesson 2. SOLVING PROBLEMS INVOLVING INTEGERS             | [123152] |
| Lesson 3. ADDITION AND SUBTRACTION OF COMMON FRACTIONS    | [123153] |
| Lesson 4. MULTIPLICATION AND DIVISION OF COMMON FRACTIONS | [123154] |
| Lesson 5. PERCENTAGES AND EQUIVALENT FORMS                | [123155] |

## **Module 6. GRADE 8 – DECIMAL FRACTIONS [12316]**

|   |          |
|---|----------|
| Lesson 1. ORDERING, COMPARING AND ROUNDING OFF FRACTIONS                        | [123161] |
| Lesson 2. MULTIPLICATION AND DIVISION OF DECIMAL FRACTIONS                      | [123162] |
| Lesson 3. EQUIVALENT FORMS: DECIMAL FRACTIONS, COMMON FRACTIONS AND PERCENTAGES | [123163] |

## **Module 7. GRADE 9 – NUMBERS, EXPONENTS AND COMMON FRACTIONS [12317]**

|   |          |
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| Lesson 1. THE REAL NUMBER SYSTEM                            | [123171] |
| Lesson 2. INTERGERS   | [123172] |
| Lesson 3. COMMON FRACTIONS                                  | [123173] |
| Lesson 4. DECIMAL FRACTIONS AND PERCENTAGES                 | [123174] |
| Lesson 5. RATE, RATIO AND PROPORTION                        | [123175] |
| Lesson 6. FINANCIAL PROBLEMS :SIMPLE AND COMPOUND INTERESTS | [123176] |
| Lesson 7. EXPONENTS   | [123177] |
| Lesson 8. SCIENTIFIC NOTATION                               | [123178] |