**[MATHEMATICS](http://teacher.co.ke)**

**[Term One Form One](http://teacher.co.ke)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week** | **Lesson** | | **Topic** | | **Sub-topic** | | **L/T Objectives** | | **L/T Activities** | | **L/T Resources** | **References** | **Remarks** |
| 1-4 | [**FORM ONE SELECTION, ADMISSION AND INDUCTION**](http://teacher.co.ke) | | | | | | | | | | | |  |
| Week 5 | 1-2 | | Natural numbers | | Place value of numbers | | By the end of the lesson learners should be able to:   1. Identify, read and write natural numbers in figures and words. 2. Determine the place value of digit given a number | | * + Identifying natural numbers by oral practice.   + Writing numbers in figures and in words | * + Chalkboard   + Charts illustrating place value   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg 1   + Discovering secondary math Bk 1 pg 1-4   + Secondary math by KLB pg 1-12 |  |
| 3 | | Natural numbers | | Even, odd and prime numbers, Rounding off of numbers | | By the end of the lesson learners should be able to:   1. Classify natural numbers as odd, even, or prime. 2. Round off numbers to nearest tens, hundreds, thousands etc. | | * Classify natural numbers as odd, even, or prime. * Rounding off numbers to the nearest tens, hundreds, thousands etc. | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg 1   + Discovering secondary math Bk 1 pg 1-4   + Secondary math by KLB pg 1-12 |  |
| 4 | | Natural numbers | | Operations of numbers | | By the end of the lesson learners should be able to:   1. Carry out addition, subtraction, division and multiplication of numbers 2. Identify dividend, quotient and divisor in division 3. Apply the knowledge of operations in real life situations | | * Discuss example on addition, subtraction, multiplication and division. * Do exercises on word problems involving the operations and how they apply in real life situations | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg 1   + Discovering secondary math Bk 1 pg 1-4   + Secondary math by KLB pg 4 |  |
| 5 | | Factors | | Factors of composite numbers expressed in power form. | | By the end of the lesson learners should be able to:   * + 1. Carry out prime factorization of composite numbers     2. Identify factors of composite numbers and express them in prime factors | | * Oral listing of prime factors. * Solving problems involving factors of composite numbers | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg 7   + Discovering secondary math Bk 1 pg 4-5   + Secondary math by KLB pg 10 |  |
| 6 | | Factors | | Factors of composite numbers expressed in power form. | | By the end of the lesson learners should be able to:   * + 1. Express numbers in prime factor form using powers. | | * Discussions. * Solving problems involving factors of composite numbers | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg 8   + Discovering secondary math Bk 1 pg 4-5   + Secondary math by KLB pg 10 |  |
| Week 6 | 1-2 | | Divisibility tests | | Divisibility tests of numbers by 2, 3, 4, 5 | | By the end of the lesson learners should be able to test the divisibility of numbers by 2, 3, 4, and 5. | | * Discussions. * Solving problems involving divisibility tests of numbers by 2, 3, 4, and 5. | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg 10-11   + Discovering secondary math Bk 1 pg 10   + Secondary math by KLB pg 12-20 |  |
| 3 | | Divisibility tests | | Divisibility tests of numbers by 6, 8, 9, 10 and 11 | | By the end of the lesson learners should be able to test the divisibility of numbers by 6, 8, 9, 10, and 11. | | * Discussions.   Solving problems involving divisibility tests of numbers by 6, 8, 9, 10, and 11. | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg10-11   + Discovering secondary math Bk 1 pg 10   + Secondary math by KLB pg 12-20 |  |
| 4 | | Greatest common divisor (GCD) | | GCD of a set of numbers | | By the end of the lesson learners should be able to find the GCD of a set of numbers and apply the GCD in real life situations. | | * Discussions. * Solving problems involving GCD of a set of numbers. | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg13   + Discovering secondary math Bk 1 pg 10-11   + Secondary math by KLB pg 22 |  |
| 5 | | Least common multiples (LCM) | | Multiples of numbers | | By the end of the lesson learners should be able to list multiples of numbers. | | * Discussions. * Working out examples involving multiples of numbers * Solving problems involving multiples of numbers. | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg10-11   + Discovering secondary math Bk 1 pg 10   + Secondary math by KLB pg 24 |  |
| 6 | | Least common multiples (LCM) | | Multiples of a set of numbers | | By the end of the lesson learners should be able to work out the LCM of a set of numbers and apply the concept of LCM in real life situations. | | * Discussions. * Solving problems involving common multiples for a set of numbers. | * + Chalkboard   + Charts illustrating worked examples showing even numbers odd numbers and prime numbers.   + Multiplication tables   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg10-11   + Discovering secondary math Bk 1 pg 10   + Secondary math by KLB pg 1 |  |
| Week 7 | 1-2 | | Integers | | Integers | | By the end of the lesson learners should be able to define integers and read them from the number line. | | * Discussions. * Drawing the number line * Reading the numbers from the number line | * + Chalkboard   + Chart illustrating the number line   + Number line   + Staircases   + Ladder   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg18-19   + Discovering secondary math Bk 1 pg 14   + Secondary math by KLB pg 28 |  |
| 3 | | Integers | | Addition and subtraction of  Integers | | By the end of the lesson learners should be able to use the number line and solve problems in addition and subtraction. | | * Discussions. * Solving addition and subtraction problems involving integers using the number line. | * + Chalkboard   + Chart illustrating the number line   + Number line   + Staircases   + Ladder   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg18-19   + Discovering secondary math Bk 1 pg 14   + Secondary math by KLB pg 28 |  |
| 4 | | Integers | | Directed numbers | | By the end of the lesson learners should be able to identify and locate directed numbers on the number line. | | * Discussions on the concept of increasing and decreasing of numbers. * Locating +ve and –ve numbers on the number line. | * + Chalkboard   + Chart illustrating the number line   + Number line   + Staircases   + Ladder   + Lesson notes   + Class textbook | | * + Advancing math Bk 1 pg19-20   + Discovering secondary math Bk 1 pg 14   + Secondary math by KLB pg 29 |  |
| 5 | | Integers | | Further addition of integers using the number line | | By the end of the lesson learners should be able to use the number line and solve problems in addition | | * Discussions. * Solving problems involving addition of integers | * + Chalkboard   + Chart illustrating the number line   + Number line   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg19-20   + Discovering secondary math Bk 1 pg 16-20   + Secondary math by KLB pg 29 |  |
| 6 | | Integers | | Subtraction of negative integers using the number line. | | By the end of the lesson learners should be able to use the number line and solve problems in subtraction. | | * Discussions. * Solving problems involving subtraction of integers | * + Chalkboard   + Chart illustrating the number line   + Number line   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg20-23   + Discovering secondary math Bk 1 pg 16-20   + Secondary math by KLB pg 30 |  |
| Week 8 | 1-2 | | Integers | | Multiplication of integers | | By the end of the lesson learners should be able to carry out multiplication of integers | | * Discussions. * Solving problems involving multiplication of integers | * + Chalkboard   + Chart on multiplication of numbers   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg24-25   + Discovering secondary math Bk 1 pg 20-22   + Secondary math by KLB pg 30 |  |
| 3 | | Integers | | Division of integers | | By the end of the lesson learners should be able to carry out division of integers | | * Discussions. * Solving problems involving division of integers | * + Chalkboard   + Division table.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg25   + Discovering secondary math Bk 1 pg 20-22   + Secondary math by KLB pg 31-40 |  |
| 4 | | Integers | | Order of operations including brackets | | By the end of the lesson learners should be able to carry out mixed operations | | * Discussions on the use of BODMAS. * Solving problems involving mixed operations of integers | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg25-29   + Discovering secondary math Bk 1 pg 20-22   + Secondary math by KLB pg 45 |  |
| 5 | | Integers | | Real life situations | | By the end of the lesson learners should be able to apply the knowledge of integers in solving problems of real life situations. | | * Discussions on the use of BODMAS. * Solving problems involving real life situations | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg30-35   + Discovering secondary math Bk 1 pg 20-22   + Secondary math by KLB pg 54 |  |
| 6 | | Fractions | | Definition of fraction | | By the end of the lesson learners should be able to define fraction. | | * Discussions. * Working out examples involving fractions | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg36   + Discovering secondary math Bk 1 pg 23-24   + Secondary math by KLB pg 41 |  |
| Week 9 | 1-2 | | Fractions | | Comparing the ordering fractions in sizes | | By the end of the lesson learners should be able to:   1. compare fractions and order them in sizes 2. identify equivalent fractions 3. rank fractions according to their sizes | | * Discussions. * Working out examples involving fractions * Solving problems involving fractions * Splitting items into fractions | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg38   + Discovering secondary math Bk 1 pg 24   + Secondary math by KLB pg 41 |  |
| 3 | | Fractions | | Addition and subtraction of fractions | | By the end of the lesson learners should be able to add and subtract fractions | | * Discussions. * Working out examples involving fractions of numbers * Solving problems involving additions and subtractions of fractions | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg41   + Discovering secondary math Bk 1 pg 26-27   + Secondary math by KLB pg 45 |  |
| 4 | | Fractions | | Multiplication, inverses and divisions of fractions | | By the end of the lesson learners should be able to:   1. Multiply fractions 2. Divide fractions. 3. State and use inverses of fractions | | * Discussions. * Working out examples involving multiplication of fractions * Divisions of fractions * Inverses of fractions | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg45   + Discovering secondary math Bk 1 pg 27-29   + Secondary math by KLB pg 46 |  |
| 5 | | Fractions | | Order of operations and real life situations | | By the end of the lesson learners should be able to:  a) Multiply fractions  b) Divide fractions.  c) State and use inverses of fractions.  d) apply the knowledge of fraction in real life situations | | * Discussions. * Working out examples involving fractions * Solving problems involving real life situations in fractions | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg46   + Discovering secondary math Bk 1 pg 29-31   + Secondary math by KLB pg 54 |  |
| 6 | | Decimals | | Definitions of decimal, place values of decimal | | By the end of the lesson learners should be able to:  a) identify a decimal  b) state the place value of each digit in a decimal  c) state the decimal places in a decimal. | | * Discussions. * Working out examples involving decimals * Solving problems involving decimals and their place values | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg48   + Discovering secondary math Bk 1 pg 32-34   + Secondary math by KLB pg 58 |  |
| Week 10 | 1-2 | | Decimals | | Addition and subtraction of decimals | | By the end of the lesson learners should be able to carry out both additions and subtractions in decimals | | * Working out examples involving additions and subtractions of decimals * Solving problems involving additions and subtractions of decimals | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg49   + Discovering secondary math Bk 1 pg 32-34   + Secondary math by KLB pg 58 |  |
| 3 | | Decimals | | Multiplication and division of decimals | | By the end of the lesson learners should be able to carry out multiplication and divisions of decimals by powers of 10 | | * Discussions. * Working out examples involving multiplication and divisions of decimals by powers of 10 * Solving problems involving multiplication and divisions of decimals by powers of 10 | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg51   + Discovering secondary math Bk 1 pg 32-34   + Secondary math by KLB pg 58 |  |
| 4 | | Decimals | | Standard form of numbers | | By the end of the lesson learners should be able to express any given number in standard form and vice versa. | | * Discussions. * Working out examples involving multiplication and divisions of decimals by powers of 10 * Solving problems involving multiplication and divisions of decimals by powers of 10. | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg51   + Discovering secondary math Bk 1 pg 32-34   + Secondary math by KLB pg 64 |  |
| 5 | | Decimals | | Rounding off of decimals | | By the end of the lesson learners should be able to round off a decimal to a given accuracy | | * Discussions. * Working out examples involving rounding off of decimals * Solving problems involving rounding off of decimals | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg56-57   + Discovering secondary math Bk 1 pg 32-34   + Secondary math by KLB pg 63 |  |
| 6 | | Decimals | | Changing from fraction to decimals and vice versa | | By the end of the lesson learners should be able to change fractions to decimals and vice versa | | * Discussions. * Working out examples involving multiples of numbers * Solving problems involving multiples of numbers. | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg56-57   + Discovering secondary math Bk 1 pg 32-34   + Secondary math by KLB pg 58 |  |
| Week 11 | 1-2 | | Decimals | | Recurring decimals | | By the end of the lesson learners should be able to change form recurring decimals to fractions | | * Discussions. * Working out examples involving multiples of numbers * Solving problems involving multiples of numbers. | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg57   + Discovering secondary math Bk 1 pg 35-37   + Secondary math by KLB pg 61 |  |
| 3 | | Decimals | | Real life problems in decimals | | By the end of the lesson learners should be able to solve problems in real life situations. | | * Discussions. * Working out examples involving multiples of numbers * Solving problems involving multiples of numbers. | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg60   + Discovering secondary math Bk 1 pg 38-43   + Secondary math by KLB pg 65 |  |
| 4 | | Squares and square roots | | Squares of numbers | | By the end of the lesson learners should be able to find squares of numbers by multiplication | | * Discussions. * Working out examples involving squares of numbers * Solving problems involving squares of numbers | * + Chalkboard   + Chart with numbers and their squares   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg61   + Discovering secondary math Bk 1 pg 45   + Secondary math by KLB pg 73 |  |
| 5 | | Squares and square roots | | Squares of numbers greater than 10 | | By the end of the lesson learners should be able to find squares of numbers greater than 10 using tables. | | * Discussions. * Working out examples involving squares of numbers * Solving problems involving squares of numbers. | * + Chalkboard   + Chart with numbers and their squares.   + Lesson notes   + Mathematical tables   + Class textbook. | | * + Advancing math Bk 1 pg61.   + Discovering secondary math Bk 1 pg 46   + Secondary math by KLB pg 73 |  |
| 6 | | Squares and square roots | | Squares of numbers less than 1 | | By the end of the lesson learners should be able to find squares of numbers less than 1 using tables. | | * Discussions. * Working out examples involving squares of numbers * Solving problems involving squares of numbers | * + Chalkboard   + Chart with numbers and their squares.   + Mathematical tables   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg62   + Discovering secondary math Bk 1 pg 46-47   + Secondary math by KLB pg 74 |  |
| Week 12 | 1-2 | Squares and square roots | | Real life problems dealing with squares of numbers | | By the end of the lesson learners should be able to solve real life problems dealing with squares of numbers | | * Discussions. * Working out examples involving multiples of numbers * Solving real life problems dealing with squares of numbers | | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | | * + Advancing math Bk 1 pg64   + Discovering secondary math Bk 1 pg 47-47   + Secondary math by KLB pg 76 |  |
| 3 | Squares and square roots | | Finding square root by factorization | | By the end of the lesson learners should be able to find square roots of numbers by factorization | | * Discussions. * Working out examples involving square roots by factorization method * Solving problems involving square roots. | | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   Class textbook. | | * + Advancing math Bk 1 pg10-11   + Discovering secondary math Bk 1 pg 10   Secondary math by KLB pg 76 |  |
| 4 | Squares and square roots | | Reading of square root tables | | By the end of the lesson learners should be able to distinguish between the two pages of square root tables and use the appropriate one. | | * Discussions. * Working out examples involving multiples of numbers * Solving problems involving multiples of numbers. | | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Square root tables.   Class textbook. | | * + Advancing math Bk 1 pg10-11   + Discovering secondary math Bk 1 pg 10   Secondary math by KLB pg 78 |  |
| 5 | Squares and square roots | | Square roots of numbers between 1 and 10 | | By the end of the lesson learners should be able to use the square root table to work out squares of numbers between 1 and 10 | | * Discussions. * Working out examples involving multiples of numbers * Solving problems involving multiples of numbers. | | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Square root tables.   Class textbook. | | * + Advancing math Bk 1 pg10-11   + Discovering secondary math Bk 1 pg 10   Secondary math by KLB pg 78 |  |
| 6 | Squares and square roots | | Square roots of numbers between 10 and 100 | | By the end of the lesson learners should be able to use the square root table to work out squares of numbers between 10 and 100 | | * Discussions. * Working out examples involving multiples of numbers * Solving problems involving multiples of numbers. | | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Square root tables.   Class textbook. | | * + Advancing math Bk 1 pg10-11   + Discovering secondary math Bk 1 pg 10   Secondary math by KLB pg 78 |  |
| 13 | REVISION AND END-OF- TERM I EXAMINATIONS | | | | | | | | | | | |  |

TERM 2

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Week 1 | 1-2 | Algebraic expressions and functions | Symbolic representation of terms, coefficients variables and constants | By the end of the lesson learners should be able to:   1. Use letters to represent numbers 2. Identify the terms coefficients, variables and constants 3. Write word statements from algebraic symbols. | * + Explain the use of letters to represent values   + Oral exercises on use of letters   + Give examples on the use of letters   + Practice word statements | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | * + Advancing math Bk 1 pg73   + Discovering secondary math Bk 1 pg 85-86   + Secondary math by KLB pg 80 |  |
| 3 | Algebraic expressions and functions | Simplifying algebraic expressions and forming them | By the end of the lesson learners should be able to:  a) identify like and unlike terms  b) collect terms together and simplify  c) form algebraic expressions from given statements | * + Putting like terms together   + Simplifying the expressions   + Doing exercises on forming the expressions | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg76-80   + Discovering secondary math Bk 1 pg 87   + Secondary math by KLB pg 81 |  |
| 4 | Algebraic expressions and functions | Multiplication and division with algebraic terms with use of Brackets | By the end of the lesson learners should be able to:   1. Multiply and divide with algebraic terms 2. Remove brackets in algebraic expressions | * + Multiplying and dividing with algebraic terms   + Doing practice on removing of brackets. * Working out examples involving algebraic expressions   + Solving problems involving algebraic expressions | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg74-76   + Discovering secondary math Bk 1 pg 86-88   + Secondary math by KLB pg 82 |  |
| 5 | Algebraic expressions and functions | Factorization | By the end of the lesson learners should be able to factorize an algebraic expression by grouping. | * + Use Q/A method to identify common factors   + Grouping and factoring   + Solving problems involving factorization | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg80   + Discovering secondary math Bk 1 pg 85-94   + Secondary math by KLB pg 89 |  |
| 6 | Algebraic expressions and functions | Algebraic fractions | By the end of the lesson learners should be able to:   1. Reduce an algebraic expression to its lowest form accurately 2. Perform the four basic operations on the algebraic expressions. | * Discussions. * Working out examples involving fractions in algebraic expressions * Solving problems involving fractions in algebraic expressions. * Carrying out the four basic operations. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg81   + Discovering secondary math Bk 1 pg 85-91   + Secondary math by KLB pg 90 |  |
| Week 2 | 1-2 | Algebraic expressions and functions | Algebraic fractions involving brackets | By the end of the lesson learners should be able to simplify an algebraic expression completely | * Discussions. * Working out examples involving fractions in algebraic expressions * Solving problems involving fractions in algebraic expressions with brackets * Carrying out the four basic operations. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg83   + Discovering secondary math Bk 1 pg 85-91   + Secondary math by KLB pg 91 |  |
| 3 | Algebraic expressions and functions | Substitution and evaluation | By the end of the lesson learners should be able to substitute and evaluate an algebraic expression accurately. | * Discussions. * Working out examples involving algebraic expressions. * Solving problems involving substitution and evaluation of algebraic expressions. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 84   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 92 |  |
| 4 | Algebraic expressions and functions | evaluating algebraic expressions by substitution | By the end of the lesson learners should be able to evaluate algebraic expressions | * Discussions. * Working out examples involving algebraic expressions.   + Solving problems involving evaluating algebraic expressions   + Group work. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 85   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg92 |  |
| 5 | Algebraic expressions and functions | Algebraic expressions in real life situations | By the end of the lesson learners should be able to solve problems in real life situations. | * + Discussions   + Demonstrations   + Working out examples on Algebraic expressions and functions   + Solving problems on Algebraic expressions and functions   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 85   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 93 |  |
| 6 | Rate, ratios, proportions and percentages | Rates | By the end of the lesson learners should be able to:   1. Define the term rate 2. Solve problems involving rates | * + Discussions   + Demonstrations   + Working out examples on rates   + Solving problems on rates   + Group Work. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 86   + Discovering secondary math Bk 1 pg 144-146   + Secondary math by KLB pg 96 |  |
| Week 3 | 1-2 | Rate, ratios, proportions and percentages | Ratio and proportion | By the end of the lesson learners should be able to:   * + 1. explain what a ratio is     2. Solve problems involving ratios | * + Discussions   + Demonstrations   + Working out examples on ratios   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 87   + Discovering secondary math Bk 1 pg 146-151   + Secondary math by KLB pg 96 |  |
| 3 | Rate, ratios, proportions and percentages | Changing different ratios | By the end of the lesson learners should be able to change quantities in a given ratio | * + Discussions   + Demonstrations   + Working out examples on changing ratio.   + Solving problems on changing of ratios   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 89   + Discovering secondary math Bk 1 pg 151-153   + Secondary math by KLB pg97 |  |
| 4 | Rate, ratios, proportions and percentages | sharing | By the end of the lesson learners should be able to share quantities in given ratios | * + Discussions   + Demonstrations   + Working out examples on sharing quantities in given ratios   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 90   + Discovering secondary math Bk 1 pg 151-153   + Secondary math by KLB pg 97-98 |  |
| 5 | Rate, ratios, proportions and percentages | Direct proportions and inverse proportions | By the end of the lesson learners should be able to:   * + 1. Differentiate between direct proportions and inverse proportions     2. Solve problems involving direct proportions and inverse proportions | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 91-94   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 102 |  |
| 6 | Rate, ratios, proportions and percentages | Percentages | By the end of the lesson learners should be able to:  a) explain what a percentage is  b) express one quantity as a percentage of another  c) solve problems involving percentages | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg94   + Discovering secondary math Bk 1 pg 153-157   + Secondary math by KLB pg 105 |  |
| Week 4 | 1-2 | Rate, ratios, proportions and percentages | Comparing ratios | By the end of the lesson learners should be able to compare two given sets of ratios. | * + Discussions   + Demonstrations   + Working out examples on comparing different ratios   + Solving problems using fractions, decimals & %ages.   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg98   + Discovering secondary math Bk 1 pg 157   + Secondary math by KLB pg 100 |  |
| 3 | Length | Units of length | By the end of the lesson learners should be able to:   * + 1. State the SI unit of measuring length     2. Make accurate conversions between units of length | * + Discussions   + Demonstrations   + Working out examples on lengths   + Solving problems of conversion   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 100   + Discovering secondary math Bk 1 pg 66   + Secondary math by KLB pg 111 |  |
| 4 | Length | Significant figures | By the end of the lesson learners should be able to state accuracy to a given number of significant figures | * + Discussions   + Demonstrations   + Working out examples on lengths   + Solving problems of conversion   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 102   + Discovering secondary math Bk 1 pg 67-68   + Secondary math by KLB pg 111 |  |
| 5 | Length | Perimeter of plane shapes | By the end of the lesson learners should be able to find perimeter of plane figures (Regular and irregular) | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 103   + Discovering secondary math Bk 1 pg67-68   + Secondary math by KLB pg 113 |  |
| 6 | Area | Units of area | By the end of the lesson learners should be able to state correct SI units of calculating area | * + Discussions   + Demonstrations   + Working out examples on calculation of area.   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg109   + Discovering secondary math Bk 1 pg 114-115   + Secondary math by KLB pg123 |  |
| Week 5 | 1-2 | Area | Area of triangle and of parallelogram | By the end of the lesson learners should be able to calculate the area of triangle and of parallelogram | * + Discussions   + Demonstrations   + Working out examples on areas of triangle and of parallelogram.   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 111   + Discovering secondary math Bk 1 pg 118-119   + Secondary math by KLB pg124 |  |
| 3 | Area | Area of trapezium | By the end of the lesson learners should be able to work out area of a trapezium | * + Discussions   + Demonstrations   + Working out examples on area of trapezium   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 113   + Discovering secondary math Bk 1 pg 119-121   + Secondary math by KLB pg 124 |  |
| 4 | Area | Area of circle | By the end of the lesson learners should be able to work out area of a circle and area of parts of a circle | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 113   + Discovering secondary math Bk 1 pg 119-121   + Secondary math by KLB pg 129 |  |
| 5 | Area | Surface area of cube and of cuboid | By the end of the lesson learners should be able to compute the surface area of a cube and of cuboids | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 118-119   + Discovering secondary math Bk 1 pg 124   + Secondary math by KLB pg 143 |  |
| 6 | Algebraic expressions and functions | Algebraic fractions involving brackets | By the end of the lesson learners should be able to simplify an algebraic expression completely | * Discussions. * Working out examples involving fractions in algebraic expressions * Solving problems involving fractions in algebraic expressions with brackets * Carrying out the four basic operations. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg83   + Discovering secondary math Bk 1 pg 85-91   + Secondary math by KLB pg 91 |  |
| Week 6 | 1-2 | Algebraic expressions and functions | Substitution and evaluation | By the end of the lesson learners should be able to substitute and evaluate an algebraic expression accurately. | * Discussions. * Working out examples involving algebraic expressions. * Solving problems involving substitution and evaluation of algebraic expressions. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 84   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 92 |  |
| 3 | Algebraic expressions and functions | evaluating algebraic expressions by substitution | By the end of the lesson learners should be able to evaluate algebraic expressions | * Discussions. * Working out examples involving algebraic expressions.   + Solving problems involving evaluating algebraic expressions   + Group work. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 85   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg92 |  |
| 4 | Algebraic expressions and functions | Algebraic expressions in real life situations | By the end of the lesson learners should be able to solve problems in real life situations. | * + Discussions   + Demonstrations   + Working out examples on Algebraic expressions and functions   + Solving problems on Algebraic expressions and functions   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 85   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 93 |  |
| 5 | Rate, ratios, proportions and percentages | Rates | By the end of the lesson learners should be able to:   1. Define the term rate 2. Solve problems involving rates | * + Discussions   + Demonstrations   + Working out examples on rates   + Solving problems on rates   + Group Work. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 86   + Discovering secondary math Bk 1 pg 144-146   + Secondary math by KLB pg 96 |  |
| 6 | Rate, ratios, proportions and percentages | Ratio and proportion | By the end of the lesson learners should be able to:   * + 1. explain what a ratio is     2. Solve problems involving ratios | * + Discussions   + Demonstrations   + Working out examples on ratios   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 87   + Discovering secondary math Bk 1 pg 146-151   + Secondary math by KLB pg 96 |  |
| Week 7 | 1-2 | Rate, ratios, proportions and percentages | Changing different ratios | By the end of the lesson learners should be able to change quantities in a given ratio | * + Discussions   + Demonstrations   + Working out examples on changing ratio.   + Solving problems on changing of ratios   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 89   + Discovering secondary math Bk 1 pg 151-153   + Secondary math by KLB pg97 |  |
| 3 | Rate, ratios, proportions and percentages | sharing | By the end of the lesson learners should be able to share quantities in given ratios | * + Discussions   + Demonstrations   + Working out examples on sharing quantities in given ratios   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 90   + Discovering secondary math Bk 1 pg 151-153   + Secondary math by KLB pg 97-98 |  |
| 4 | Rate, ratios, proportions and percentages | Direct proportions and inverse proportions | By the end of the lesson learners should be able to:   * + 1. Differentiate between direct proportions and inverse proportions     2. Solve problems involving direct proportions and inverse proportions | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 91-94   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 102 |  |
| 5 | Rate, ratios, proportions and percentages | Percentages | By the end of the lesson learners should be able to:  a) explain what a percentage is  b) express one quantity as a percentage of another  c) solve problems involving percentages | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg94   + Discovering secondary math Bk 1 pg 153-157   + Secondary math by KLB pg 105 |  |
| 6 | Rate, ratios, proportions and percentages | Comparing ratios | By the end of the lesson learners should be able to compare two given sets of ratios. | * + Discussions   + Demonstrations   + Working out examples on comparing different ratios   + Solving problems using fractions, decimals & %ages.   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg98   + Discovering secondary math Bk 1 pg 157   + Secondary math by KLB pg 100 |  |
| Week 8 | 1-2 | Length | Units of length | By the end of the lesson learners should be able to:   * + 1. State the SI unit of measuring length     2. Make accurate conversions between units of length | * + Discussions   + Demonstrations   + Working out examples on lengths   + Solving problems of conversion   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 100   + Discovering secondary math Bk 1 pg 66   + Secondary math by KLB pg 111 |  |
| 3 | Length | Significant figures | By the end of the lesson learners should be able to state accuracy to a given number of significant figures | * + Discussions   + Demonstrations   + Working out examples on lengths   + Solving problems of conversion   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 102   + Discovering secondary math Bk 1 pg 67-68   + Secondary math by KLB pg 111 |  |
| 4 | Length | Perimeter of plane shapes | By the end of the lesson learners should be able to find perimeter of plane figures (Regular and irregular) | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 103   + Discovering secondary math Bk 1 pg67-68   + Secondary math by KLB pg 113 |  |
| 5 | Area | Units of area | By the end of the lesson learners should be able to state correct SI units of calculating area | * + Discussions   + Demonstrations   + Working out examples on calculation of area.   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg109   + Discovering secondary math Bk 1 pg 114-115   + Secondary math by KLB pg123 |  |
| 6 | Area | Area of triangle and of parallelogram | By the end of the lesson learners should be able to calculate the area of triangle and of parallelogram | * + Discussions   + Demonstrations   + Working out examples on areas of triangle and of parallelogram.   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 111   + Discovering secondary math Bk 1 pg 118-119   + Secondary math by KLB pg124 |  |
| Week 9 | 1-2 | Area | Area of trapezium | By the end of the lesson learners should be able to work out area of a trapezium | * + Discussions   + Demonstrations   + Working out examples on area of trapezium   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 113   + Discovering secondary math Bk 1 pg 119-121   + Secondary math by KLB pg 124 |  |
| 3 | Area | Area of circle | By the end of the lesson learners should be able to work out area of a circle and area of parts of a circle | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 113   + Discovering secondary math Bk 1 pg 119-121   + Secondary math by KLB pg 129 |  |
| 4 | Area | Surface area of cube and of cuboid | By the end of the lesson learners should be able to compute the surface area of a cube and of cuboids | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 118-119   + Discovering secondary math Bk 1 pg 124   + Secondary math by KLB pg 143 |  |
| 5 | Algebraic expressions and functions | Algebraic fractions involving brackets | By the end of the lesson learners should be able to simplify an algebraic expression completely | * Discussions. * Working out examples involving fractions in algebraic expressions * Solving problems involving fractions in algebraic expressions with brackets * Carrying out the four basic operations. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg83   + Discovering secondary math Bk 1 pg 85-91   + Secondary math by KLB pg 91 |  |
| 6 | Algebraic expressions and functions | Substitution and evaluation | By the end of the lesson learners should be able to substitute and evaluate an algebraic expression accurately. | * Discussions. * Working out examples involving algebraic expressions. * Solving problems involving substitution and evaluation of algebraic expressions. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 84   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 92 |  |
| Week 10 | 1-2 | Algebraic expressions and functions | evaluating algebraic expressions by substitution | By the end of the lesson learners should be able to evaluate algebraic expressions | * Discussions. * Working out examples involving algebraic expressions.   + Solving problems involving evaluating algebraic expressions   + Group work. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 85   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg92 |  |
| 3 | Algebraic expressions and functions | Algebraic expressions in real life situations | By the end of the lesson learners should be able to solve problems in real life situations. | * + Discussions   + Demonstrations   + Working out examples on Algebraic expressions and functions   + Solving problems on Algebraic expressions and functions   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 85   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 93 |  |
| 4 | Rate, ratios, proportions and percentages | Rates | By the end of the lesson learners should be able to:   1. Define the term rate 2. Solve problems involving rates | * + Discussions   + Demonstrations   + Working out examples on rates   + Solving problems on rates   + Group Work. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 86   + Discovering secondary math Bk 1 pg 144-146   + Secondary math by KLB pg 96 |  |
| 5 | Rate, ratios, proportions and percentages | Ratio and proportion | By the end of the lesson learners should be able to:   * + 1. explain what a ratio is     2. Solve problems involving ratios | * + Discussions   + Demonstrations   + Working out examples on ratios   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 87   + Discovering secondary math Bk 1 pg 146-151   + Secondary math by KLB pg 96 |  |
| 6 | Rate, ratios, proportions and percentages | Changing different ratios | By the end of the lesson learners should be able to change quantities in a given ratio | * + Discussions   + Demonstrations   + Working out examples on changing ratio.   + Solving problems on changing of ratios   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 89   + Discovering secondary math Bk 1 pg 151-153   + Secondary math by KLB pg97 |  |
| Week 11 | 1-2 | Rate, ratios, proportions and percentages | Changing different ratios | By the end of the lesson learners should be able to change quantities in a given ratio | * + Discussions   + Demonstrations   + Working out examples on changing ratio.   + Solving problems on changing of ratios   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 89   + Discovering secondary math Bk 1 pg 151-153   + Secondary math by KLB pg97 |  |
| 3 | Rate, ratios, proportions and percentages | sharing | By the end of the lesson learners should be able to share quantities in given ratios | * + Discussions   + Demonstrations   + Working out examples on sharing quantities in given ratios   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 90   + Discovering secondary math Bk 1 pg 151-153   + Secondary math by KLB pg 97-98 |  |
| 4 | Rate, ratios, proportions and percentages | Direct proportions and inverse proportions | By the end of the lesson learners should be able to:   * + 1. Differentiate between direct proportions and inverse proportions     2. Solve problems involving direct proportions and inverse proportions | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 91-94   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 102 |  |
| 5 | Rate, ratios, proportions and percentages | Percentages | By the end of the lesson learners should be able to:  a) explain what a percentage is  b) express one quantity as a percentage of another  c) solve problems involving percentages | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg94   + Discovering secondary math Bk 1 pg 153-157   + Secondary math by KLB pg 105 |  |
| 6 | Rate, ratios, proportions and percentages | Comparing ratios | By the end of the lesson learners should be able to compare two given sets of ratios. | * + Discussions   + Demonstrations   + Working out examples on comparing different ratios   + Solving problems using fractions, decimals & %ages.   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg98   + Discovering secondary math Bk 1 pg 157   + Secondary math by KLB pg 100 |  |
| 12-13 | REVISION AND END-OF-TERM TWO EXAMS | | | | | | | |

TERM 3

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Week 1 | 1-2 | Length | Units of length | By the end of the lesson learners should be able to:   * + 1. State the SI unit of measuring length     2. Make accurate conversions between units of length | * + Discussions   + Demonstrations   + Working out examples on lengths   + Solving problems of conversion   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 100   + Discovering secondary math Bk 1 pg 66   + Secondary math by KLB pg 111 |  |
| 3 | Length | Significant figures | By the end of the lesson learners should be able to state accuracy to a given number of significant figures | * + Discussions   + Demonstrations   + Working out examples on lengths   + Solving problems of conversion   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 102   + Discovering secondary math Bk 1 pg 67-68   + Secondary math by KLB pg 111 |  |
| 4 | Length | Perimeter of plane shapes | By the end of the lesson learners should be able to find perimeter of plane figures (Regular and irregular) | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 103   + Discovering secondary math Bk 1 pg67-68   + Secondary math by KLB pg 113 |  |
| 5 | Area | Units of area | By the end of the lesson learners should be able to state correct SI units of calculating area | * + Discussions   + Demonstrations   + Working out examples on calculation of area.   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg109   + Discovering secondary math Bk 1 pg 114-115   + Secondary math by KLB pg123 |  |
| 6 | Area | Area of triangle and of parallelogram | By the end of the lesson learners should be able to calculate the area of triangle and of parallelogram | * + Discussions   + Demonstrations   + Working out examples on areas of triangle and of parallelogram.   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 111   + Discovering secondary math Bk 1 pg 118-119   + Secondary math by KLB pg124 |  |
| Week 2 | 1-2 | Area | Area of trapezium | By the end of the lesson learners should be able to work out area of a trapezium | * + Discussions   + Demonstrations   + Working out examples on area of trapezium   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 113   + Discovering secondary math Bk 1 pg 119-121   + Secondary math by KLB pg 124 |  |
| 3 | Area | Area of circle | By the end of the lesson learners should be able to work out area of a circle and area of parts of a circle | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 113   + Discovering secondary math Bk 1 pg 119-121   + Secondary math by KLB pg 129 |  |
| 4 | Area | Surface area of cube and of cuboid | By the end of the lesson learners should be able to compute the surface area of a cube and of cuboids | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 118-119   + Discovering secondary math Bk 1 pg 124   + Secondary math by KLB pg 143 |  |
| 5 | Algebraic expressions and functions | Algebraic fractions involving brackets | By the end of the lesson learners should be able to simplify an algebraic expression completely | * Discussions. * Working out examples involving fractions in algebraic expressions * Solving problems involving fractions in algebraic expressions with brackets * Carrying out the four basic operations. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg83   + Discovering secondary math Bk 1 pg 85-91   + Secondary math by KLB pg 91 |  |
| 6 | Algebraic expressions and functions | Substitution and evaluation | By the end of the lesson learners should be able to substitute and evaluate an algebraic expression accurately. | * Discussions. * Working out examples involving algebraic expressions. * Solving problems involving substitution and evaluation of algebraic expressions. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 84   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 92 |  |
| Week 3 | 1-2 | Algebraic expressions and functions | evaluating algebraic expressions by substitution | By the end of the lesson learners should be able to evaluate algebraic expressions | * Discussions. * Working out examples involving algebraic expressions.   + Solving problems involving evaluating algebraic expressions   + Group work. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 85   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg92 |  |
| 3 | Algebraic expressions and functions | Algebraic expressions in real life situations | By the end of the lesson learners should be able to solve problems in real life situations. | * + Discussions   + Demonstrations   + Working out examples on Algebraic expressions and functions   + Solving problems on Algebraic expressions and functions   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 85   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 93 |  |
| 4 | Rate, ratios, proportions and percentages | Rates | By the end of the lesson learners should be able to:   1. Define the term rate 2. Solve problems involving rates | * + Discussions   + Demonstrations   + Working out examples on rates   + Solving problems on rates   + Group Work. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 86   + Discovering secondary math Bk 1 pg 144-146   + Secondary math by KLB pg 96 |  |
| 5 | Rate, ratios, proportions and percentages | Ratio and proportion | By the end of the lesson learners should be able to:   * + 1. explain what a ratio is     2. Solve problems involving ratios | * + Discussions   + Demonstrations   + Working out examples on ratios   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 87   + Discovering secondary math Bk 1 pg 146-151   + Secondary math by KLB pg 96 |  |
| 6 | Rate, ratios, proportions and percentages | Changing different ratios | By the end of the lesson learners should be able to change quantities in a given ratio | * + Discussions   + Demonstrations   + Working out examples on changing ratio.   + Solving problems on changing of ratios   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 89   + Discovering secondary math Bk 1 pg 151-153   + Secondary math by KLB pg97 |  |
| Week 4 | 1-2 | Rate, ratios, proportions and percentages | sharing | By the end of the lesson learners should be able to share quantities in given ratios | * + Discussions   + Demonstrations   + Working out examples on sharing quantities in given ratios   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 90   + Discovering secondary math Bk 1 pg 151-153   + Secondary math by KLB pg 97-98 |  |
| 3 | Rate, ratios, proportions and percentages | Direct proportions and inverse proportions | By the end of the lesson learners should be able to:   * + 1. Differentiate between direct proportions and inverse proportions     2. Solve problems involving direct proportions and inverse proportions | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 91-94   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 102 |  |
| 4 | Rate, ratios, proportions and percentages | Percentages | By the end of the lesson learners should be able to:  a) explain what a percentage is  b) express one quantity as a percentage of another  c) solve problems involving percentages | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg94   + Discovering secondary math Bk 1 pg 153-157   + Secondary math by KLB pg 105 |  |
| 5 | Rate, ratios, proportions and percentages | Comparing ratios | By the end of the lesson learners should be able to compare two given sets of ratios. | * + Discussions   + Demonstrations   + Working out examples on comparing different ratios   + Solving problems using fractions, decimals & %ages.   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg98   + Discovering secondary math Bk 1 pg 157   + Secondary math by KLB pg 100 |  |
| 6 | Angles and plane figures | Angle properties of polygons i.e quadrilaterals (rectangles and squares) | By the end of the lesson learners should be able to state and apply the properties of polygons ie quadrilaterals (rectangles and squares | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 185   + Discovering secondary math Bk 1 pg 56   + Secondary math by KLB pg 237 |  |
| Week 5 | 1-2 | Angles and plane figures | Angle properties of polygons i.e quadrilaterals | By the end of the lesson learners should be able to state and apply the properties of polygons ie quadrilaterals (parallelogram, Rhombus and trapezium) | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 186   + Discovering secondary math Bk 1 pg 57   + Secondary math by KLB pg 237 |  |
| 3 | Angles and plane figures | Angle properties of polygons i.e quadrilaterals | By the end of the lesson learners should be able to state the properties of a kite | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg188   + Discovering secondary math Bk 1 pg 57   + Secondary math by KLB pg 237 |  |
| 4 | Angles and plane figures | General formula for Sum of interior angles of a polygon | By the end of the lesson learners should be able to use the general formula of a polygon to fine the number of sides in the polygon | * + Discussions   + Demonstrations   + Working out examples on Sum of interior angles of a polygon   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 188   + Discovering secondary math Bk 1 pg 57   + Secondary math by KLB pg 239 |  |
| 5 | Common Solids | introduction | By the end of the lesson learners should be able to define name and identify common solids | * + Discussions   + Demonstrations   + Working out examples on Common Solids   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg222   + Discovering secondary math Bk 1 pg 182   + Secondary math by KLB pg 271 |  |
| 6 | Common Solids | Sketching of solids | By the end of the lesson learners should be able to draw sketches of common solids | * + Discussions   + Demonstrations   + Working out examples on Sketching of solids   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 229   + Discovering secondary math Bk 1 pg 182   + Secondary math by KLB pg275-276 |  |
| Week 6 | 1-2 | Common Solids | Draw models of common solids | By the end of the lesson learners should be able to draw models of common solids | * + Discussions   + Demonstrations   + Working out examples on Drawing of models   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 229   + Discovering secondary math Bk 1 pg 183   + Secondary math by KLB pg 277 |  |
| 3 | Common Solids | Drawing nets of common solids | By the end of the lesson learners should be able to draw nets of common solids | * + Discussions   + Demonstrations   + Working out examples on Drawing nets of common solids   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 229   + Discovering secondary math Bk 1 pg 186   + Secondary math by KLB pg277-280 |  |
| 4 | Common Solids | Surface area of common solids | By the end of the lesson learners should be able to calculate the surface area of common solids | * + Discussions   + Demonstrations   + Working out examples on using nets to calculate the surface area of common solids.   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 231   + Discovering secondary math Bk 1 pg 188   + Secondary math by KLB pg 284 |  |
| 5 | Common Solids | Distance between points on solids | By the end of the lesson learners should be able to calculate distances between points on solids | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 233   + Discovering secondary math Bk 1 pg 189   + Secondary math by KLB pg 284 |  |
| 6 | Common Solids | Application | By the end of the lesson learners should be able to apply and use the concept of common solids in every day life situations. | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 233   + Discovering secondary math Bk 1 pg 190   + Secondary math by KLB pg 286 |  |
| Week 7 | 1-2 | Geometrical construction | Construction of a triangle given the three sides | By the end of the lesson learners should be able to construct a triangle given the three sides | * + Explain the use of protractor and ruler   + Oral exercises on use protractor in the construction   + Practice construction work | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook. | * + Advancing math Bk 1 pg192   + Discovering secondary math Bk 1 pg 85-86   + Secondary math by KLB pg 229 |  |
| 3 | Geometrical construction | Construction of a triangle given two sides and an angle | By the end of the lesson learners should be able to construct a triangle give two sides and one angle | * + Explain the use of protractor and ruler   + Oral exercises on use protractor in the construction   + Practice construction work | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 193   + Discovering secondary math Bk 1 pg 87   + Secondary math by KLB pg 229 |  |
| 4 | Geometrical construction | Construction of a triangle given one side and two angles | By the end of the lesson learners should be able to construct a triangle when one side is given and two angles | * + Explain the use of protractor and ruler   + Oral exercises on use protractor in the construction   + Practice construction work | * + Chalkboard   + Charts illustrating worked examples.   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg194   + Discovering secondary math Bk 1 pg 86-88   + Secondary math by KLB pg 230 |  |
| 5 | Geometrical construction | Construction of perpendicular lines | By the end of the lesson learners should be able to Construct a perpendicular line | * + Explain the use of protractor and ruler   + Oral exercises on use protractor in the construction   + Practice on use of pair of compasses in construction of perpendicular lines   + Practice construction work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg197   + Discovering secondary math Bk 1 pg 85-94   + Secondary math by KLB pg 229 |  |
| 6 | Geometrical construction | Bisection of a line segment | By the end of the lesson learners should be able to bisect a line segment | * Discussions.   + Explain the use of protractor and ruler   + Oral exercises on use protractor in the construction   + Practice on use of pair of compasses in construction of a bisector   + Practice construction work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg198   + Discovering secondary math Bk 1 pg 85-91   + Secondary math by KLB pg 235 |  |
| Week 8 | 1-2 | Geometrical construction | Copying an angle using ruler and pair of compasses only | By the end of the lesson learners should be able to copy an angle by use of ruler and pair of compasses only | * + Explain the use of protractor and ruler   + Oral exercises on use protractor in the construction * Practice on use of pair of compasses in construction of angles. | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg200   + Discovering secondary math Bk 1 pg 85-91   + Secondary math by KLB pg 237 |  |
| 3 | Geometrical construction | Bisecting an angle | By the end of the lesson learners should be able to construct a bisector of an angle | * Discussions.   + Oral exercises on use protractor in the construction of angle bisector * Practice on use of pair of compasses in construction of angle bisector | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 201   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 229 |  |
| 4 | Geometrical construction | Construction of angles | By the end of the lesson learners should be able to construct angles | * Discussions.   + Oral exercises on use protractor in the construction of angle bisector   + Practice on use of pair of compasses in construction of the given angles | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 201   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 229 |  |
| 5 | Geometrical construction | Construction of parallel lines | By the end of the lesson learners should be able to construct parallel lines | * Discussions.   + Oral exercises on use protractor in the construction of angle bisector   + Practice on use of pair of compasses in construction of the given angles | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 202   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 235 |  |
| 6 | Geometrical construction | Proportional division of a line | By the end of the lesson learners should be able to construct a proportional division of a line | * Discussions.   + Oral exercises on use protractor in the construction of angle bisector   + Practice on use of pair of compasses in construction of the given angles | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 203   + Discovering secondary math Bk 1 pg 95   + Secondary math by KLB pg 236 |  |
| Week 9 | 1-2 | Geometrical construction | Construction of quadrilaterals ie (square, rectangle and Rhombus) | By the end of the lesson learners should be able to construct the given quadrilaterals | * Discussions.   + Oral exercises on use protractor in the construction of angle bisector   + Practice on use of pair of compasses in construction of the given angles | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 204-205   + Discovering secondary math Bk 1 pg 99   + Secondary math by KLB pg 236 |  |
| 3 | Geometrical construction | Construction of quadrilaterals ie (Parallelogram and trapezium) | By the end of the lesson learners should be able to construct Trapezium and parallelogram | * Discussions.   + Oral exercises on use protractor in the construction of angle bisector   + Practice on use of pair of compasses in construction of the given angles | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 205   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 237 |  |
| 4 | Geometrical construction | Construct regular polygons | By the end of the lesson learners should be able to construct the regular polygons | * + Discussions   + Demonstrations   + Working out examples on construction of regular polygons   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing Bk 1 pg 205   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 238 |  |
| 5 | Geometrical construction | Construction of irregular polygons | By the end of the lesson learners should be able to construct the irregular polygons | * + Discussions   + Demonstrations   + Working out examples on construction of irregular polygons   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 208   + Discovering secondary math Bk 1 pg 91-94   + Secondary math by KLB pg 238 |  |
| 6 | Scale Drawing | Type and choice of scale | By the end of the lesson learners should be able to :   1. Describe the types of scales 2. Choose an appropriate scale for a drawing | * + Discussions   + Demonstrations   + Working out examples on choosing of scale   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 209   + Discovering secondary math Bk 1 pg 162   + Secondary math by KLB pg 248 |  |
| Week 10 | 1-2 | Scale Drawing | Angles of elevation | By the end of the lesson learners should be able to draw an angle of elevation | * + Discussions   + Demonstrations   + Working out examples on   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 209   + Discovering secondary math Bk 1 pg162   + Secondary math by KLB pg 249 |  |
| 3 | Scale Drawing | Angles of depression | By the end of the lesson learners should be able to draw an angle of depression | * + Discussions   + Demonstrations   + Working out examples on depression   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 211   + Discovering secondary math Bk 1 pg 163   + Secondary math by KLB pg 250 |  |
| 4 | Scale Drawing | Compass and bearing | By the end of the lesson learners should be able to use a compass in bearings | * + Discussions   + Demonstrations   + Working out examples on bearings   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 213   + Discovering secondary math Bk 1 pg 163   + Secondary math by KLB pg 251 |  |
| 5 | Scale Drawing | Surveying | By the end of the lesson learners should be able to carry out a survey | * + Discussions   + Demonstrations   + Working out examples on surveying   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 216   + Discovering secondary math Bk 1 pg 164   + Secondary math by KLB pg 262 |  |
| 6 | Scale Drawing | Surveying using bearings | By the end of the lesson learners should be able to carry out a survey using bearings | * + Discussions   + Demonstrations   + Working out examples on bearings   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 219   + Discovering secondary math Bk 1 pg 165   + Secondary math by KLB pg262 |  |
| Week 11 | 1-2 | Scale Drawing | Surveying using distances | By the end of the lesson learners should be able to carry out survey using distances | * + Discussions   + Demonstrations   + Working out examples on surveying   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 219   + Discovering secondary math Bk 1 pg 165   + Secondary math by KLB pg262 |  |
| 3 | Scale Drawing | Carrying out field survey | By the end of the lesson learners should be able to carry out a field survey | * + Discussions   + Demonstrations   + Working out examples on field survey   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 219   + Discovering secondary math Bk 1 pg 166   + Secondary math by KLB pg262 |  |
| 4 | Scale Drawing | Areas of irregular shapes | By the end of the lesson learners should be able to work out the area of irregular shapes | * + Discussions   + Demonstrations   + Working out examples on irregular shapes   + Solving problems   + Group work | * + Chalkboard   + Charts illustrating worked examples.   + Practice exercise   + Lesson notes   + Class textbook | * + Advancing math Bk 1 pg 220   + Discovering secondary math Bk 1 pg 167   + Secondary math by KLB pg267 |  |
| 5  6 | Evaluation And CATS | | | | | | |
| 12-13 | REVISION AND END-OF-YEAR EXAMS | | | | | | | |