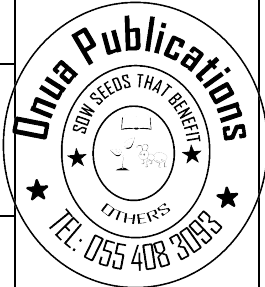



TERM 1 SCHEME OF LEARNING - TERM 1

MATHEMATICS – Basic 7


Weeks	Strand	Sub Strand	Content Standard	Indicators	Resources
	 NUMBER	Number and Numeration Systems	 B7.1.1.1 Demonstrate understanding and the use of place value for expressing quantities recorded as base ten numerals as well as rounding these given decimal places and significant figures.	B7.1.1.1.1 Model number quantities more than 1,000,000,000 using graph sheets, isometric papers and multi-base blocks	
				B7.1.1.1.2 Compare and order whole numbers more than 1,000,000,000 and represent the comparison using ">, <, or ="	
				B7.1.1.1.3 Round (off, up, down) whole numbers more than 1,000,000,000 to the nearest hundred-thousand, ten-thousands, thousands, hundreds and tens	
				B7.1.1.1.4 Round decimals to the nearest tenth, hundredth, thousandths, etc	
		Number Operations	B7.1.2.1 Apply mental mathematics strategies and number properties used to solve problem	B7.1.1.1.5 Express decimal numerals to given significant and decimal places	
				B7.1.2.1.1 Multiply and divide given numbers by multiples of 10 including decimals and benchmark fractions	
	NUMBER		B.7.1.2.2 Demonstrate an understanding of addition, subtraction, multiplication and division of (i) whole numbers, and (ii) decimal numbers, to solve problems.	B7.1.2.2.1 Add and subtract up to four-digit numbers	
				B71.2.2.2 Multiply or divide multi-digit numbers by 1- and 2- digit numbers	
			B7.1.2.3 Demonstrate understanding and the use of powers of natural numbers in solving problems.	B7.1.2.2.3. Create and solve story problems involving decimals on the four basic operations.	
				B7.1.2.3.1 Illustrate with examples the meaning of repeated fact	

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				B7.1.2.3.2 Express a given number as a product of a given number or numbers, as well as, in the form of a power or two such numbers as product of powers	
				B7.1.2.3.3 Show that the value of any natural number with zero as its exponent or index is 1 and use it to solve problems.	
				B7.1.2.3.4 Find the value of a number written in index form	
				B7.1.2.3.5 Apply the concept of powers of numbers (product of prime) to find HCF	
		Fractions, Decimals and Percentages	B7.1.3.1 Simplify, compare and order a mixture of positive fractions (i.e. common, percent and decimal) by changing all to equivalent (i) fractions (ii) decimals, or (iii) percentage	B7.1.3.1.1 Determine and recall the percentages and decimals of given benchmark fractions (i.e. tenths, fifths, fourths, thirds and halves) and use these to compare quantities	
				B7.1.3.1.2 Compare and order fractions (i.e. common, percent and decimal fractions up to thousandths) limit to the benchmark fractions.	
			B7.1.3.2 Demonstrate an understanding of the process of addition and/or subtraction of fractions and apply this in solving problems	B7.1.3.2.1 Explain the process of addition and subtraction of two or three unlike and mixed fractions	
				B7.1.3.2.2 Solve problems involving addition or subtraction of fractions.	
		Fractions, Decimals and Percentages	B7.1.3.3 Demonstrate an understanding of the process of multiplying and dividing positive fractions and apply this in solving problems	B7.1.3.3.1 Explain the process of multiplying a fraction (i.e. common, percent and decimal fractions up to thousandths) by a whole number and by a fraction	
				B7.1.3.3.2 Find a fraction of given quantity (i.e. money or given quantity of objects)	
				B7.1.3.3.3 Explain the process of dividing a fraction (i.e. common,	

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				percent and decimal fractions up to thousandths) by a 1-digit whole number and by a fraction	
				B7.1.3.3.4 Determine the result of dividing a quantity (i.e. money or objects) or a fraction by a fraction	

