



**ANNUAL NATIONAL ASSESSMENT 2013
ASSESSMENT GUIDELINES
MATHEMATICS
GRADE 3**

INTRODUCTION

The 2013 cycle of Annual National Assessment (ANA 2013) will be administered in all public and designated¹ independent schools from 10 to 13 September 2013. During this period all learners in Grades 1-3 will write nationally set tests in Language and Mathematics. The results will be used to report progress related to achieving the goals set in the *Action Plan 2014, Towards Schooling 2025*.

The ANA tests will be written during the third school term and, therefore, the Department of Basic Education (DBE) has developed Assessment Guideline documents for each grade and subject (Language and Mathematics) outlining the minimum curriculum content that must be covered by all learners prior to the writing of the test. The Assessment Guidelines define the scope of work that will be covered in the test for each grade and subject.

FOUNDATION PHASE

In Grades 1-3, the tests will cover work that is prescribed for the first three- quarters of the school year. The Assessment Guidelines are arranged in three columns: Content area; Topics; Skills/Competencies Assessed and Items (the learner must be able to do or know).

It is important to note that the ANA 2013 Assessment Guidelines do not imply that the delimited scope is all that must be taught and learnt during the school year. Instead, the Assessment Guidelines provide the basic minimum curriculum requirements that must be covered by the end of the third school quarter.

Teachers are expected to use these Assessment Guidelines together with the other resources for their teaching and assessment programmes.

¹ "Designated" independent schools are those that will apply and register either their Grade 3 or Grade 6 learners to participate in ANA for purposes of securing State subsidy.

Content Area	Topics	SKILLS/COMPETENCIES ASSESSED AND ITEMS To assess whether the learners can...
NUMBERS, OPERATIONS AND RELATIONSHIPS	Counting: Forwards and backwards	count in 20s, 25s, 50s and 100s from any number between 0-700
	Number symbols and number names	write number names (0-500) and symbols (0-1 000)
	Describe, compare and order numbers	compare whole numbers from greatest to smallest and smallest to greatest use ordinal numbers to show order, place or position
	Place value	decompose 2 -digit and 3-digit numbers up to 750 into multiples of tens and units/ones
	Problem-solving techniques	build up, break down/double, halve/number lines and round off in tens
	Additions and subtraction	solve word problems and explain own solution in context involving addition and subtraction with answers up to 800
	Repeated addition leading to multiplication	count using repeated addition with answers up to 75 (word problems)
	Grouping and sharing	solve word problems involving equal sharing and grouping of whole numbers up to 75 which includes answers with remainders
	Fractions	solve problems in context and explain own solutions to problems that involve equal sharing leading to solutions that include unitary fractions
	Money	recognise and identify South African currency coins and bank notes solve money problems involving totals and change in rands and cents convert between rand and cents
PATTERNS, FUNCTIONS AND ALGEBRA	Geometric patterns	copy and extend simple patterns made by drawings of lines/shapes
	Number patterns	copy, extend and describe simple number sequences to at least 750

Content Area	Topics	SKILLS/COMPETENCIES ASSESSED AND ITEMS To assess whether the learners can...
SPACE AND SHAPE	Position	read interpret and draw informal maps, or top views of a collection of objects find objects on the maps
	3-D objects	name and label 3-D objects
	2-D shapes	name and label 2-D shapes
	Symmetry	determine the line of symmetry in a shape
MEASUREMENT	Time	plot time on an analogue clock calculate length of time and passing of time read dates on calendar use calendars to calculate and describe length of time in days, weeks or months convert between days and weeks/weeks and months
	Length	measure, order and record lengths in cm/mm
	Mass	identify and record the mass of commercially packaged items with their mass stated use language to record the difference between the mass of items
DATA HANDLING	Analyse and Interpret	answer questions about data on a bar graph represent data on a bar graph