



Year 6 - Maths Number — number & place value							
6.NPV1 read, write, order and compare numbers up to 10,000,000 and determine the value of each digit							
Not Met	Shallow	Emerging	Developing	Deepening	Functional		
6.NPV2 round any whole number to a required degree of accuracy							
Not Met	Shallow	Emerging	Developing	Deepening	Functional		
6.NPV3 use negative numbers in context, and calculate intervals across 0							
Not Met	Shallow	Emerging	Developing	Deepening	Functional		
NPV4 solve number and practical problems that involve all of the above							
Not Met	Shallow	Emerging	Developing	Deepening	Functional		
_							



Year 6 - Maths

Number	r – addition	& subtrac	tion, multi	plication 8	division
6.NAS1 multiply method of long i	multi-digit numbers multiplication	up to 4 digits by a	two-digit whole nu	ımber using the for	mal written
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS2 divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context					
Not Met	Shallow	Emerging	Developing	Deepening	Functional
	umbers up to 4 digit: ite, interpreting rem	•	_	nal written method	of short division
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS4 perform	mental calculations	, including with mix	ed operations and	large numbers	
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS5 identify	common factors, co	mmon multiples an	d prime numbers		
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS6 use their	knowledge of the c	rder of operations	to carry out calcula	ations involving the	4 operations
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS7 solve add methods to use	dition and subtraction and why	on multi-step probl	ems in contexts, de	eciding which opera	tions and
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS8 solve pro	blems involving add	dition, subtraction,	multiplication and	division	
Not Met	Shallow	Emerging	Developing	Deepening	Functional
6.NAS9 use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy					
Not Met	Shallow	Emerging	Developing	Deepening	Functional

NCEA Castle School – Maths Year 6 Assessment Criteria



Year 6 - Maths **Number - Fractions** 6.NF1 use common factors to simplify fractions; use common multiples to express fractions in the same denomination Shallow Not Met **Functional Emerging** Developing Deepening 6.NF2 compare and order fractions, including fractions >1 Not Met Shallow **Emerging** Developing Deepening **Functional** 6.NF3 add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions Shallow **Functional** Not Met **Emerging** Developing Deepening 6.NF4 multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, 4 x 2 = 8Not Met Shallow **Emerging** Developing Deepening **Functional** 6.NF5 divide proper fractions by whole numbers [for example, $3 \div 2 = 6$] Not Met Shallow **Emerging** Developing Deepening **Functional** 6.NF6 associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 8] Not Met **Shallow Emerging** Developing Deepening **Functional** 6.NF7 identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places Not Met Shallow **Functional Emerging** Developing Deepening 6.NF8 multiply one-digit numbers with up to 2 decimal places by whole numbers **Shallow** Not Met **Emerging** Developing **Functional** Deepening 6.NF9 use written division methods in cases where the answer has up to 2 decimal places Not Met Shallow **Emerging** Developing **Functional** Deepening 6.NF10 solve problems which require answers to be rounded to specified degrees of accuracy Shallow Not Met **Emerging** Developing **Functional** Deepening 6.NF11 recall and use equivalences between simple fractions, decimals and percentages, including in different contexts Not Met **Shallow Functional Emerging** Developing Deepening





Year 6 - Maths Number - Ratio and Proportion

6.NRP1 solve problems involving the relative sizes of 2 quantities where missing values can be found						
by using integer multiplication and division facts						
Not Met	Shallow	Emerging	Developing	Deepening	Functional	
6.NRP2 solve problems involving the calculation of percentages [for example, of measures and such						
as 15% of 360] and the use of percentages for comparison						
Not Met	Shallow	Emerging	Developing	Deepening	Functional	
6.NRP3 solve problems involving similar shapes where the scale factor is known or can be found						
Not Met	Shallow	Emerging	Developing	Deepening	Functional	
		·	·			
6.NRP4 solve problems involving unequal sharing and grouping using knowledge of fractions and						
multiples	multiples					

Developing

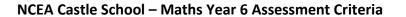
Deepening

Functional

Emerging

Shallow

Not Met





Year 6 - Maths							
Number - Algebra							
6.NA1 use simp	le formulae						
Not Met	Shallow	Emerging	Developing	Deepening	Functional		
6.NA2 generate	6.NA2 generate and describe linear number sequences						
Not Met	Shallow	Emerging	Developing	Deepening	Functional		
6.NA3 express missing number problems algebraically							
Not Met	Shallow	Emerging	Developing	Deepening	Functional		
6.NA4 find pairs of numbers that satisfy an equation with 2 unknowns							
Not Met	Shallow	Emerging	Developing	Deepening	Functional		
6.NA4 enumerate possibilities of combinations of 2 variables							
Not Met	Shallow	Emerging	Developing	Deepening	Functional		

NCEA Castle School – Maths Year 6 Assessment Criteria



Functional

Deepening

Year 6 - Maths Measurement 6.M1 solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate Shallow **Emerging** Not Met Developing Deepening Functional 6.M2 use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places Not Met **Shallow Functional Emerging** Developing Deepening 6.M3 convert between miles and kilometres Not Met **Shallow Emerging** Developing Deepening **Functional** 6.M4 recognise that shapes with the same areas can have different perimeters and vice versa Not Met **Shallow Emerging** Developing Deepening **Functional** 6.M5 recognise when it is possible to use formulae for area and volume of shapes **Functional** Not Met Shallow **Emerging** Developing Deepening 6.M6 calculate the area of parallelograms and triangles Not Met Shallow **Emerging** Developing Deepening **Functional** 6.M7 calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units [for example, mm³ and km³]

Developing

Emerging

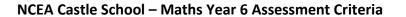
Not Met

Shallow





Year 6 - Maths							
Geometry - Properties of Shape							
6.GPS1 describe positions on the full coordinate grid (all 4 quadrants)							
Not Met	Shallow	Emerging	g Developing Deepening Functional				
6.GPS2 draw and translate simple shapes on the coordinate plane, and reflect them in the axes							
Not Met	Shallow	Emerging	Developing	Deepening	Functional		
	1	- 0 0		110	1		





Year 6 - Maths Statistics						
6.S1 interpre	et and construct p	ie charts and line	graphs and use th	ese to solve prob	lems	
Not Met	Shallow	Emerging	Developing	Deepening	Functional	
6.S2 calculate and interpret the mean as an average						
Not Met	Shallow	Emerging	Developing	Deepening	Functional	