NumberSense Companion, Grade 4				Page																																																												
Curriculum Topics				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Numbers, Operations and Relationships	Whole numbers	1.1a	Mental calculations																																																																
		1.1b	Counting, ordering, comparing, representing & place value																																																																
		1.1c	Calculations																																																																
		1.1d	Calculation techniques																																																																
		1.1e	Multiples & factors																																																																
		1.1f	Whole numbers																																																																
		1.1g	Solving problems																																																																
	Common fractions	1.2a	Describing and ordering																																																																
		1.2b	Calculations																																																																
		1.2c	Solving problems																																																																
		1.2d	Percentages																																																																
		1.2e	Equivalent forms [Grade 6 only]																																																																
	Decimal fractions	1.3a	Recognising, ordering & place value [Grade 6 only]																																																																
		1.3b	Calculations [Grade 6 only]																																																																
		1.3c	Solving problems [Grade 6 only]																																																																
		1.3d	Equivalent forms [Grade 6 only]																																																																
Patterns, Functions and Algebra	Number patterns	2.1a	Investigate & extend																																																																
		2.1b	Input & output values																																																																
		2.1c	Equivalent forms																																																																
	Geometric patterns	2.2a	Investigate & extend				✓																																																													
		2.2b	Input & output values																																																																
		2.2c	Equivalent forms																																																																
	Number sentences	2.3	Number sentences																																																																
Space and Shape	Properties of 2-D shapes	3.1a	Range of shapes												✓																✓											✓	✓					✓					✓					✓													
		3.2b	Characteristics of shapes																												✓											✓					✓					✓					✓						✓						
		3.3c	Further activities				✓																																										✓						✓		✓									
		3.4d	Angles																																																																
	Properties of 3-D shapes	3.2a	Range of objects												✓								✓								✓				✓				✓										✓			✓						✓					✓		
		3.2b	Characteristics of shapes												✓																✓				✓				✓										✓			✓						✓					✓		
		3.2c	Further activities					✓							✓									✓								✓								✓										✓			✓				✓		✓								
	Symmetry	3.3	Symmetry																																																		✓		✓						✓								
	Transformations	3.4a	Making composite shapes																												✓												✓						✓					✓											✓						
		3.4b	Tesselations																		✓						✓																																									
		3.4c	Enlargement and reductions																																																																
		3.4d	Describe patterns				✓													✓																																															
	Viewing of objects	3.5	Position and views		✓																		✓											✓										✓																	✓		
	Position and direction	3.6	Location and directions														✓																												✓																						
Measurement	Length	4.1a	Practical measuring			✓					✓	✓										✓																✓																													✓
		4.1b	Measuring instruments									✓				✓																						✓																												
		4.1c	Units			✓					✓	✓				✓						✓																✓																												
		4.1d	Calculations & Problem solving			✓					✓	✓				✓																						✓																												
	Mass	4.2a	Practical measuring	✓																						✓						✓																																	
		4.2b	Measuring instruments	✓																						✓						✓																																	
		4.2c	Units	✓																						✓						✓																																	
		4.2d	Calculations & Problem solving																														✓																																	
	Capacity/Volume	4.3a	Practical measuring					✓																																																	✓								
		4.3b	Measuring instruments					✓																																																										✓	
		4.3c	Units					✓																					✓																													✓							✓	
		4.3d	Calculations & Problem solving					✓																					✓																													✓							✓	
	Time	4.4a	Reading time & Time instruments							✓							✓													✓										✓												✓									✓				
		4.4b	Reading calendars						✓	✓																				✓										✓												✓									✓				
		4.4c	Calculations & Problem solving							✓							✓													✓										✓												✓									✓				
		4.4d	History of time																																																																
	Temperature [Grade 5,6]	4.5a	Practical measuring																																																																
		4.5b	Measuring instruments																																																																
		4.5c	Units																																																																
		4.5d	Calculations & Problem solving																																																																
	Perimeter, Surface Area and Volume	4.6a	Perimeter																																						✓															✓						✓				
		4.6b	Measurement of area																			✓	✓											✓						✓							✓							✓									
		4.6c	Measurement of volume					✓																																																	✓								
		4.6d	Investigate [Grade 6]																																																																
	History of measurement	4.7	History of measurement [Grade 6]								✓														✓																																								
Data Handling	Collecting and Organising	5.1	Collecting and organising data	✓									✓	✓					✓						✓			✓								✓						✓					✓								✓								✓			✓
	Representing	5.2	Representing data						✓										✓																																															✓
	Analysing, Interpreting and Reporting	5.3a	Interpreting data						✓									✓	✓								✓					✓			✓						✓			✓								✓								✓			✓
		5.3b	Analysing data						✓				✓	✓						✓								✓					✓										✓																							✓
		5.3c	Reporting data											✓						✓								✓					✓										✓																							✓
		5.3d	Ungrouped data [Grade 5-6]																																																																
	Probability	5.4	Probability experiments																						✓												✓										✓								✓								✓			