	Counting Sequences Forward Number Word Sequence						
0	Cannot Count to 10						
	Counts to 10						
MAe-4NA	Cannot say the number word just after a given number word in the range 1-10						
	Dropping back does not appear at this level						
MAe-4NA	Counts to 10; Says the number word just after a given number word but drops back to 1 when doing so						
MAe-4NA	Counts to 10; Says the number word just after a given number word in range 1-10 without dropping back						
MAe-4NA	Counts to 30						
4NA	Says the number word just after a given number word in the range 1-30 without dropping back						
MA1	Counts to 100						
MA1-4NA	Says the number word just after a given number word in range 1-100 without dropping back						
MA1-4NA MA2-4NA	Counts beyond 100						

Aspect 1B:	Backward Number Word Sequence						
ניאמן כי	Cannot Count backwards from 10-1						
	Counts backwards from 10-1						
MAe-4NA	Cannot say the number word just before a given number word in the range 1-10						
	Dropping back to 1 does not appear at this level						
MAe-4NA	Counts backwards from 10-1; Says the number word just before a given number word in the range1-10 but drops back to 1 when doing so						
MAe-4NA	Counts t backwards from 10-1; Says the number word just before a given number word in range 1-10 without dropping back						
MAe-4NA MA1-4NA	Counts backwards from 30-1						
4NA 4NA	Says the number word just before a given number word in the range 1-30 without dropping back						
MA1	Counts backwards from 100-1						
MA1-4NA	Says the number word just before a given number word in range 1-100 without dropping back						
MA2-4NA	Counts backward from any number						

Numeracy Continuum	Level 0	Level 1	Level 2	Level 3	Level 4	Level 5
Aspect 1C:		MAe-4NA	MAe-4NA	MA1-4NA	MA1-4NA	MA2-4NA
Counting Sequences Numeral Identification	May identify some, but not all numerals in the range 1-10	Identifies all numerals in the range 1-10	Identifies all numerals in the range 1-20	Identifies numerals in the range1-100	Identifies numerals in the range 1-1000	Identifies numerals in the range 1-10,000

Numeracy Continuum Level 0 Aspect 1D: Emergent	T	Counting by 10s & Has not yet accessed level5 in FNWS/BNWS; not								
	T	Counts forwards & backwards by 10s to 100 eg: 10, 20								
Level 1 MA1-4NA		Counts forwards & Backwards by 100s to 1000 eg: 100, 200, 1000								
Level 2 MA1-4NA		Counts forwards & backwards by 10s & 5s, off the decade to 100 eg: 2, 12, 22 92								
Lev MA1-4NA		Counts forwards & backwards by 10s, off the decade in the range 1-1000 eg: 377, 387, 397, 407								
Level 3 MA2-4NA		Counts forwards & backwards by 100s, off the 100, & on or off the decade to 10,000 eg: 24, 124, 224, 924								

							Strategies Counting as a Problem Solving Process	Aspect 2: Farly Arithmetical	Numeracy Continuum
							Cannot Count visible items Does not know number words or cannot co-ordinate the number words to count items	Emergent	Level 0
							Counts visible items to find the total count Builds & subtracts numbers	Perceptual	Le
							by using materials or fingers to represent each number Objects or fingers remain constantly in view while counting	MAe-5NA	Level 1
							Visualises concealed items & determines total by counting from 1	Figurative I	Level 2
							May use fingers to represent the concealed items when total of two screened parts is greater than 10	MA1-5NA	12
							Counts on or back to solve problems	Countin	
							A number takes the place of a completed count Counts on rather than counting from 1 to solve	Counting On/Back	Level 3
							addition or missing addends tasks Uses a count-down-from strategy or count-down-to-	MA1-5NA	
							strategy to solve subtraction tasks Uses known facts, number structure & other non-countby-1 strategies to solve problems (1 or 2 digits)	Facile MA1-5NA MA2-5NA	Level 4

							Identification of pattern associated with the structure of numbers	Aspect 3: Pattern & Number Structure	Numeracy Continuum
							Cannot effortlessly & immediately identify small quantities (subitise)	Emergent	Level 0
							Subitises small numbers	Instant MAe-4NA	Level 1
							Recognise, describes & continues a repeated pattern	Repeated MAe-8NA	Level 2
							Creates a pattern of repeated units of a specified size	Multiple MAe-8NA	Level 3
							Uses part-whole knowledge to 10. Knows number combinations to 10 & how many more needed to make 10	Part/Whole to 10 MA1-5NA MA1-8NA	Level 4
							Knows or easily derives number combinations to 20 eg: using known facts, near doubles. Partitions numbers in standard & non- standard form	Part/Whole to 20 MA1-5NA MA1-8NA	Level 5
							Understands the structural properties of numbers including how to regroup when operating with numbers	Number Properties MA2-8NA MA3-8NA, 6NA	Level 6

Aspect 4 (1): Place Value	Students should be at least at Counting On & Back stage to be placed on the Place Value Framework						
Ten a	Counts on but uses single units of 1 or 10 in counting strategies						
Level 0 Ten as a Count MA1-5NA	Knows the sequence of multiples of 10 (10, 20, 30 etc) as a sequenced count Treats 10 as something						
	constructed of ten 1s, but one 10 & ten 1s do not exist for the student at the same time Counts by 10s & 1s from the middle of the decade to find the						
Ten as a Unit MA1-5NA	total or difference of two 2-digit numbers where one of them numbers is represented by materials Treats 10 as a single unit						
nit A	while still recognising that it contains 10 ones (abstract composite unit) JUMP: treats 10 as a unit						
A (JL	that can be repeatedly constructed in place of ten individual counts; 10s & 1s are flexibly regrouped						
A (JUMP) MA1-5NA	JUMP: Counts forwards or backwards firstly by 10s & then by 1s						
NA MA2-5NA	SPLIT: Treats 10 as an abstract composite unit						
B (SPLIT)	SPLIT: Solves addition & subtraction problems mentally separating 10s from 1s then adding or subtracting each separately before combining						
[]	SPLIT: Uses non-standard decomposition of 2-digit numbers eg: 76 = 60+16						

Aspect 4 (2): Place Value	Framework Framework Framework Students should be at least at JUMP: Uses 100s, 10s & 1s in standard decompositions eg: 326 as 3 groups of 100, 2 groups of 10 & six 1s JUMP: Increments by 100s & 10s to add mentally						
Hundreds, Tens & Ones	JUMP: Determines the number of 10s in 621 without counting by 10						
ens & Ones	SPLIT: Adds & subtracts mentally combinations of numbers to 1000						
в (ѕрцт)	SPLIT: Uses the positional value of numbers flexibly in regrouping without a need to rely on incrementing by 10s or 100s						
J	SPLIT: Uses a part-whole knowledge of numbers to 1000						
Decimal Place Value	Uses tenths & hundredths to represent fractional parts with an understanding of the positional value of decimals eg: 0.8 > 0.75 because of the positional value of the digits						
ace Value	Interchanges tenths & hundredths eg: 0.75 may be thought of 7 tenths & 5 hundredths						
System Place Value	Recognises that the place value system can be extended indefinitely in 2 directions – to left & right of decimal point						
ace Value	Recognises the relationship between values of adjacent places (units) in a numeral						

						Division Using equal groups in multiplication as well as two different types of division	Aspect 5: Multiplication &	Numeracy Continuum
						Uses perceptual counting & sharing to form groups of specified size; does not see groups as composite units & counts each individual item	Forming Equal Groups	Level 1
						Uses groups or multiples in perceptual counting & sharing eg: rhythmic or skip counting	Perceptual Multiples	Level 2 MAe-6NA
						Uses equal grouping without individual items visible	Figurative Units MA1-6NA	Level 3
						Relies on perceptual markers to represent each group; needs to represent each group before determining the total	ve Units -6NA	el 3
						Uses composite units in repeated addition & subtraction using the unit a specified number of times	Repeated Abstrace MA1-6NA	Level 4
						May use skip counting or a double count; may use fingers to keep track of the number or groups but as counting occurs	peated Abstract Units MA1-6NA	el 4
						Co-ordinates two composite units as an operation eg: 6×3 is 18 ; $18 \div 6 = 3$	Mult & Div a MA2-6NA,	Lev
						Uses multiplication & division as inverse operations flexibly in problem solving tasks	Div as Operations 6NA, MA3-6NA	Level 5

Numeracy Continuum Aspect 6: Fraction Units	Level 0 Emergent Partitioning	Lev Hal MAe-7NA,	Level 1 Halving NA, MA1-7NA	Level 2 Equal Partitions MA2-7NA	Level 3 Reforms the Whole MA3-7NA	Level 4 Multiplicative Partitioning MA4-5NA	el 4 Partitionin
Developing a quantitative sense of fractions relies on forming partitions, relating the part to the whole & recognising the need for equal wholes	Attempts to halve by splitting without attention to equality of the parts	Forms halves & quarters by repeated halving	Can use distributive dealing to share	Verifies continuous & discrete linear arrangements have been partitioned into thirds or fifths by iterating one part to form the whole or checking the equality & number of parts forming the whole	When iterating a fraction part such as one-third beyond the whole, re-forms the whole	Co-ordinates composition of portioning (ie: can find one-third of one-half to create one-sixth)	Creates equivalent fractions using equivalent equal wholes; co-ordinates units at 3 levels to move between equivalent fraction forms

Level 0 Level 1 Level 2 Level 0 Level 1 Level 1 Level 1 Level 1 Level 1 Level 1 Level 2 Level 1 Level 1 Level 3 Directly compares the size of 1 or more objects (transitivity) Less indirect comparison by copying the size of one of the objects (transitivity) Less multiple units of the same size to measure an object (without gaps and overlap) Chooses & uses a selection of the same size & type of units to measure an object (without gaps & overlap) States the qualitative relationship between the size & number of units (ie: with bigger units you need fewer of them) Chooses & uses a selection of size & type of units to measure by indirect make a light measure by indirect measure by indirect measure by indirect make a light measure by indirect measure by indirect measure by indirect make a light measure by indirect measure by indirect measure by indirect make a light measure by indirect make a light measure by indirect make a light measure by indirect measure by indirect measure by indirect make a light measure by indirect measure by indirect make a light measure by indirect make a light measure by indirect measure by indirect measure by indirect make a light measure by indirect m
Uses multiple units of the same size to measure an object (without gaps and overlap) Chooses & uses a selection of the same size & type of units to measure an object (without gaps & overlap) States the qualitative
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Numeracy Continuum Aspect 7 (2):	MA -	Level 5 Iterates the Unit MA1-9MG, MA2-9MG	it MG	Level 6 Composite Ar MA2-10MG	el 6 ite Area IOMG	Level 7 Repeated Layers MA2-11MG, MA3-12MG
Measurement Knowledge of the structure of units in length, area and volume	Uses a single unit repeatedly (iterating) to measure or construct length	Makes a multi-unit ruler by iterating a single unit & quantifying accumulated distance	Identifies the quantitative relationship between length & number of units (ie: if you halve the size of the units you will have twice as many units in the measure)	Creates the row-column structure of the iterated composite unit	Uses the row-column structure to find the number of units to measure	area
						ı