

Maths Mate 5, 6, 7 to VELS level 4

VELS Mathematics Standards	Maths Mate Skills	Maths Mate 5 Questions	Maths Mate 6 Questions	Maths Mate 7 Questions
Number Level 4				
At level 4 students: <ul style="list-style-type: none"> Comprehend the size and order of small and large numbers (thousandths to millions) 	- Understand and find place value of a digit in a whole number	#12: T1 - all wks T2 - wks 5,6,7,8	#12: T1 - wks 1,3,4 T2 - wks 1,2,3	#18: T1 - wks 1,2 T2 - wk 1
	- Compare and order whole numbers	#12: T2 - wks 1,2,3,4 T3 - wks 1,2,3,4	#12: T1 - wks 6,8 T2 - wk 5	#18: T2 - wks 5,6 T3 - wk 5 T4 - wk 1
	- Write 4-, 5-, 6- and 7-digit numbers in words	#15: T2 - wks 1,2,3,4 T3 - all wks T4 - all wks	#15: T2 - wks 1,2,3,4 T3 - all wks T4 - all wks	#20: T3 - all wks T4 - all wks
<ul style="list-style-type: none"> Comprehend the size and order of negative numbers 	- Recognise integers			#19: T1 - all wks T2 - wks 5,6,7,8
	- Represent integers on a number line			#19: T2 - wks 1,2,3,4 T3 - wks 5,6,7,8
	- Compare and order integers			#19: T3 - wks 1,2,3,4 T4 - wks 1,2,3,4
<ul style="list-style-type: none"> Comprehend the size and order of common fractions 	- Illustrate and convert mixed numbers to improper fractions	#11: T4 - wks 1,2,3,4	#11: T2 - wks 1,2,3,4	#11: T2 - wks 3,4
	- Illustrate and find equivalent fractions	#11: T4 - wks 5,6,7,8	#11: T2 - wks 5,6,7,8	#11: T2 - wks 5,6,7,8
	- Simplify fractions		#11: T3 - wks 1,2,3,4	#11: T1 - wks 1,2,3,4
	- Compare and order fractions		#11: T3 - wks 5,6,7,8	#11: T3 - wks 1,2,3,4
<ul style="list-style-type: none"> Comprehend the size and order of decimals 	- Compare place values in decimal numbers	#11: T1 - wks 5,6,7,8	#12: T1 - wk 2 T2 - wk 4	#18: T1 - wks 3,4 T2 - wks 2,3,4
	- Compare and order decimal numbers	#12: T3 - wks 5,6,7,8	#12: T1 - wks 5,7 T2 - wks 6,7,8	#18: T2 - wks 7,8 T3 - wks 6,7,8 T4 - wks 2,3,4,5,6,7,8
<ul style="list-style-type: none"> Estimate the size of fractions and decimals in the vicinity of 0 and 1 relative to 0, $\frac{1}{2}$ and 1 	- Illustrate fractions	#11: T1 - wks 1,2,3,4 T3 - wks 1,2,3,4	#11: T1 - wks 1,2,3,4	#11: T1 - wks 5,6,7,8
	- Read a fraction or a mixed number on a number line	#11: T2 - wks 5,6,7,8		
	- Read a decimal number on a scale	#10: T1 - wks 1,2,3,4 T2 - wks 5,6,7,8	#10: T1 - wks 1,2,3,4	

VELS Mathematics Standards	Maths Mate Skills	Maths Mate 5 Questions	Maths Mate 6 Questions	Maths Mate 7 Questions
<ul style="list-style-type: none"> Identify numbers and their factors as square, prime or composite and interpret these numbers and their factors in terms of the area and the dimensions of their corresponding rectangular geometric arrays 	- Recognise a factor			#16: T1 - all wks T2 - wks 1,2,3,4
	- Recognise prime numbers			#16: T3 - wks 5,6,7,8 T4 - wks 5,6,7,8
<ul style="list-style-type: none"> Recognise and evaluate simple powers of natural numbers such as $2^4 = 16$ 	- Square whole numbers			#14: T1 - all wks T2 - wks 5,6,7,8 T4 - all wks
	- Calculate powers of 10			#14: T2 - wks 1,2,3,4
<ul style="list-style-type: none"> Use mental and written algorithms for the addition of natural numbers 	- Add natural numbers	#1: all terms #5: all terms	#1: all terms #5: all terms	#1: all terms #5: T1 - wks 5,6,7,8 T2 - wks 5,6,7,8 T3 - wks 5,6,7,8 T4 - wks 5,6,7,8
	- Complete number patterns by adding the same number	#13: T1 - wks 1,2,3,4 T2 - wks 1,4 T4 - wks 1,2,3,4,5	#13: T1 - wks 1,2,3,4 T2 - wks 2,4 T4 - all wks	#17: T1 - wks 1,2,3,4 T2 - wks 2,3
	- Use order of operations involving natural numbers	#14: all terms	#14: all terms	#15: all terms
<ul style="list-style-type: none"> Use mental and written algorithms for the subtraction of natural numbers 	- Subtract natural numbers	#2: all terms #6: all terms	#2: all terms #6: all terms	#2: all terms #5: T1 - wks 1,2,3,4 T2 - wks 1,2,3,4 T3 - wks 1,2,3,4 T4 - wks 1,2,3,4
	- Complete number patterns by subtracting the same number	#13: T1 - wks 5,6,7,8 T2 - wks 2,3 T4 - wks 6,7,8	#13: T1 - wks 5,6,7,8 T2 - wks 1,3	#17: T1 - wks 5,6,7,8 T2 - wks 1,4
	- Use order of operations involving natural numbers	#14: all terms	#14: all terms	#15: all terms
<ul style="list-style-type: none"> Use mental and written algorithms for the multiplication of natural numbers 	- Multiply natural numbers	#3: all terms #8: all terms	#3: all terms #8: all terms	#3: all terms #6: T1 - wks 5,6,7,8 T2 - wks 1,2,5,6,7,8 T3 - wks 5,6,7,8 T4 - wks 5,6,7,8

VELS Mathematics Standards	Maths Mate Skills	Maths Mate 5 Questions	Maths Mate 6 Questions	Maths Mate 7 Questions
	- Complete number patterns by multiplying by the same number	#13: T2 - wks 5,6,7,8 T3 - wks 5,7	#13: T2 - wks 5,6,7,8 T3 - wks 5,7,8	#17: T2 - wks 5,6,7,8
	- Use order of operations involving natural numbers	#14: all terms	#14: all terms	#15: all terms
	- Multiply by powers of 10	#7: T1 - wks 1,2,3,4 T2 - wks 1,2,3,4 T3 - wks 1,2,3,4 T4 - wks 1,2,3,4	#7: T1 - wks 1,2,3,4 T2 - wks 1,2,3,4 T3 - wks 1,2,3,4 T4 - wks 1,2,3,4	#7: T1 - wks 1,2,3,4 T2 - wks 1,2,3,4 T3 - wks 1,2,3,4 T4 - wks 1,2,3,4
• Use mental and written algorithms for the division of natural numbers	- Divide natural numbers	#4: all terms #9: all terms	#4: all terms #9: all terms	#4: all terms #6: T1 - wks 1,2,3,4 T2 - wks 3,4 T3 - wks 1,2,3,4 T4 - wks 1,2,3,4
	- Complete number patterns by dividing by the same number	#13: T3 - wks 1,2,3,4,6,8	#13: T2 - wks 1,2,3,4,6	#17: T3 - all wks
	- Use order of operations involving natural numbers	#14: all terms	#14: all terms	#15: all terms
	- Divide by powers of 10	#7: T1 - wks 5,6,7,8 T2 - wks 5,6,7,8 T3 - wks 5,6,7,8 T4 - wks 5,6,7,8	#7: T1 - wks 5,6,7,8 T2 - wks 5,6,7,8 T3 - wks 5,6,7,8 T4 - wks 5,6,7,8	#7: T1 - wks 5,6,7,8 T2 - wks 5,6,7,8 T3 - wks 5,6,7,8 T4 - wks 5,6,7,8
• Use mental and written algorithms for the addition of decimals	- Add decimal numbers	#10: T2 - wks 1,2,3,4 T3 - wks 1,2,3,4	#10: T2 - wks 1,3 T3 - wks 5,6,7,8	#8: T1 - wks 1,2,3,4 T2 - wks 1,2,3,4 T3 - wks 1,2,3,4 T4 - wks 1,2,3,4
• Use mental and written algorithms for the subtraction of decimals	- Subtract decimal numbers	#10: T4 - wks 1,2,3,4	#10: T2 - wks 2,4 T3 - wks 1,2,3,4	#8: T1 - wks 5,6,7,8 T2 - wks 5,6,7,8 T3 - wks 5,6,7,8 T4 - wks 5,6,7,8
• Use mental and written algorithms for the multiplication of decimals (to two decimal places)	- Multiply decimal numbers			#9: T1 - wks 1,2,3,4 T2 - wks 1,2,3,4 T3 - wks 1,2,3,4 T4 - all wks

VELS Mathematics Standards	Maths Mate Skills	Maths Mate 5 Questions	Maths Mate 6 Questions	Maths Mate 7 Questions
<ul style="list-style-type: none"> Use mental and written algorithms for the addition of common fractions 	- Add fractions with the same denominators	#11: T3 - wks 5,7	#11: T1 - wks 5,7	#10: T1 - wks 1,2,5,6,7,8 T3 - wks 2,4
	- Add mixed numbers		#11: T4 - wks 1,2	#10: T2 - wks 1,2 T3 - wks 5,6,7,8 T4 - wks 1,2,3,4
	- Add fractions by making a common denominator			#10: T4 - wks 5,7
<ul style="list-style-type: none"> Use mental and written algorithms for the subtraction of common fractions 	- Subtract fractions with the same denominators	#11: T3 - wks 6,8	#11: T4 - wks 6,8	#10: T1 - wks 3,4 T3 - wks 1,3
	- Subtract mixed numbers		#11: T4 - wks 3,4	#10: T2 - wks 3,4,5,6,7,8
	- Subtract fractions by making a common denominator			#10: T4 - wks 6,8
<ul style="list-style-type: none"> Use mental and written algorithms for the multiplication of common fractions 	- Multiply fractions			#11: T4 - wks 1,2,3,4
	- Find a fraction of a whole number		#11: T4 - wks 5,6,7,8	#11: T3 - wks 5,6,7,8
	- Divide a fraction by a whole number			#11: T4 - wks 5,6,7,8
<ul style="list-style-type: none"> Represent natural numbers in other bases 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Construct and recognise multiples of integers (including lowest common multiple) and common fractions and interpret constant multiples of a number as scale factors of the number 	- Find the common multiples of two numbers			#16: T3 - wks 1,2
	- Find the lowest common multiple (LCM) of two numbers			#16: T3 - wks 3,4
	- Multiply whole numbers by fractions			#11: T4 - wks 1,2,3,4
<ul style="list-style-type: none"> Use decimals, ratios and percentages to find equivalent representations of common fractions 	- Write a fraction as a decimal number	#10: T3 - wks 5,6,7,8	#10: T1 - wks 1,2,3,4	
	- Write a mixed number as a decimal number	#10: T4 - wks 5,6,7,8	#10: T2 - wks 5,6,7,8	
	- Write an improper fraction as a decimal number		#10: T4 - wks 1,2,3,4	
	- Write a decimal number as a fraction in its simplest form		#10: T4 - wks 5,6,7,8	
<ul style="list-style-type: none"> Identify and interpret remainders as fractions and recognise the role that remainders play in algorithms for finding the factors of natural numbers 	- Convert improper fractions to mixed numbers			#11: T2 - wks 1,2
<ul style="list-style-type: none"> Use repeated division by increasing primes to express numbers as a product of powers of prime numbers, for example, $360 = 2^3 \times 3^2 \times 5^1$ 	- Complete factor trees			#16: T4 - wks 1,2,3,4

VELS Mathematics Standards	Maths Mate Skills	Maths Mate 5 Questions	Maths Mate 6 Questions	Maths Mate 7 Questions
<ul style="list-style-type: none"> Use estimates of numbers in computation and develop and use criteria for deciding if an estimate of a computation is reasonable or not 	- Round whole numbers to a given place	#12: T4 - wks 1,2,3,4	#12: T3 - wks 1,2,3,4	#18: T1 - wks 7,8
	- Round decimal numbers to the nearest whole number	#12: T4 - wks 5,6,7,8	#12: T3 - wks 5,6,7,8	#18: T1 - wks 5,6
	- Round decimal numbers to a given place			#18: T3 - wks 1,2,3,4
	- Estimate outcomes by rounding to the nearest 10 or 100		#12: T4 - wks 1,2,3,4	
	- Estimate outcomes by rounding decimals to whole numbers		#12: T4 - wks 5,6,7,8	

Space Level 4				
At level 4 students: <ul style="list-style-type: none"> Identify the mathematical properties of horizontal, vertical, parallel and perpendicular lines in relation to each other 	- Draw horizontal, vertical, parallel and perpendicular lines			#26: T1 - wks 5,6,7
<ul style="list-style-type: none"> Identify the mathematical properties of shapes and solids including prisms, pyramids, cylinders and cones and incorporate the ideas of angle, size and scale into descriptions of the features of these shapes and solids 	- Recognise and draw 2D shapes	#17: T1 - all wks	#17: T1 - all wks	#26: T2 - wks 5,6,7,8
	- Identify and draw lines of symmetry for 2D shapes	#17: T4 - all wks	#17: T4 - wks 1,2,3,4	#26: T4 - wks 5,6,7,8
	- Describe 2D shapes	#17: T2 - wks 1,2,3,4	#17: T2 - wks 1,2,3,4	#26: T1 - wks 1,2,3,4,8 T2 - wks 1,2,3,4 T4 - wks 1,2,3,4
	- Recognise 3D shapes	#17: T2 - wks 5,6,7,8	#17: T1 - wks 5,6,7,8	
	- Describe 3D shapes	#17: T3 - wks 1,2,3,4	#17: T3 - wks 1,2,3,4	#26: T3 - wks 1,2,3,4
<ul style="list-style-type: none"> Explain the idea of finiteness and non-finiteness in relation to lines and surfaces 	N/A			
<ul style="list-style-type: none"> Use recursion to investigate the idea of self-similarity of shapes 	N/A			
<ul style="list-style-type: none"> Make two-dimensional representations of three-dimensional objects 	N/A			
<ul style="list-style-type: none"> Use sketches of shapes and solids to represent the surrounding environment and describe in mathematical language their relative sizes in that environment 	- Recognise 2D shapes	#17: T1 - wks 1,2,3,4	#17: T1 - wks 1,2,3,4	#26: T2 - wks 5,6,7,8
	- Recognise 3D shapes	#17: T2 - wks 5,6,7,8	#17: T2 - wks 5,6,7,8	

VELS Mathematics Standards	Maths Mate Skills	Maths Mate 5 Questions	Maths Mate 6 Questions	Maths Mate 7 Questions
<ul style="list-style-type: none"> Use the ideas of size, scale and direction when referring to the relative positions of places and objects in maps and demonstrate understanding of shape and connectedness in diagrams of networks 	- Follow directions to find a place on a map	#16: T2 - wks 1,2,3,4	#16: T2 - wks 1,2,3,4	#24: T1 - wks 1,2,3,4
	- Reading distances on a map	#16: T3 - wks 5,6,7,8	#16: T1 - wks 5,6,7,8	
	- Measure distances using a grid scale	#16: T4 - wks 1,2,3,4		
	- Use a linear scale to calculate distance	#16: T4 - wks 5,6,7,8	#16: T2 - wks 5,6,7,8 T3 - wks 1,2,3,4	#24: T2 - wks 5,6,7,8 T3 - wks 1,2,3,4
<ul style="list-style-type: none"> Develop a sequence of instructions for drawing a shape, solid or net of a solid and adjust these instructions to take account of scale 	- Draw 2D shapes	#17: T1 - wks 5,6,7,8	#17: T1 - wks 5,6,7,8	#26: T2 - wks 5,6,7,8
	- Identify the shape of a cross-section	#17: T3 - wks 5,6,7,8		
	- Identify nets of 3D shapes		#17: T3 - wks 5,6,7,8	
<ul style="list-style-type: none"> Formulate and test procedures, expressed in terms of compass points and simple coordinate systems, that describe how to get from one place to other places 	- Locate places using simple bearings (closest, left, first turn)	#16: T1 - wks 1,2,3,4	#16: T3 - wks 5,6,7,8	#24: T1 - wks 1,2,3,4
	- Locate places using compass bearings (N, E, S and W)	#16: T1 - wks 5,6,7,8	#16: T1 - wks 1,2,3,4	#24: T1 - wks 1,2,3,4
<ul style="list-style-type: none"> Use and interpret conventional symbols and language in activities relating to place, direction, paths and scale in maps 	- Use regions on a grid to describe location	#16: T2 - wks 5,6,7,8		#24: T1 - wks 5,7
	- Use coordinates to describe location on a map	#16: T3 - wks 1,2,3,4	#16: T4 - all wks	#24: T1 - wks 6,8 T2 - wks 1,2,3,4 T4 - all wks
Measurement, chance and data Level 4				
<p>At level 4 students:</p> <ul style="list-style-type: none"> Accurately measure the characteristics of length (including perimeter), area (including surface area), volume, capacity, angle, time (including duration of time) and temperature in formal and standard units using appropriate instruments and scales 	- Read and use scales	#21: T1 - wks 5,6,7,8	#21: T1 - wks 5,6,7,8 T2 - wks 1,2,3,4	
	- Measure the perimeter of a shape			#29: T1 - wks 1,2,3,4,6 T3 - wks 1,3
	- Calculate the perimeter of a shape using a grid	#21: T2 - wks 5,6,7,8 T4 - wks 1,2,3,4	#21: T3 - wks 1,2,3,4 T4 - wks 1,2,3,4	
	- Calculate the area of a shape by counting squares and triangles inside the shape	#21: T3 - all wks T4 - wks 1,2,3,4	#21: T3 - wks 5,6,7,8 T4 - wks 1,2,3,4	
	- Describe volume by counting cubes inside a solid	#21: T4 - wks 5,6,7,8	#21: T4 - wks 5,6,7,8	
	- Compare angles to a right angle	#21: T2 - wks 1,2,3,4		
	- Measure angles using a protractor		#21: T2 - wks 5,6,7,8	#25: T1 - wks 1,2,3,4 T2 - wks 1,2,3,4
	- Express time in words	#20: T1 - wks 1,2,3,4 T2 - wks 5,6,7,8	#20: T1 - wks 5,8	

VELS Mathematics Standards	Maths Mate Skills	Maths Mate 5 Questions	Maths Mate 6 Questions	Maths Mate 7 Questions
	- Express time in numbers	#20: T1 - wks 5,6,7,8	#20: T1 - wks 6,7	
	- Identify centuries		#20: T1 - wks 1,2,3,4	
	- Calculate periods of time	#20: T3 - wks 5,6,7,8 T4 - wks 1,2,3,4	#20: T2 - wks 5,6,7,8 T3 - all wks T4 - wks 1,2,3,4	
<ul style="list-style-type: none"> Choose accuracy of measurement sufficient to distinguish between the sizes of things with the same characteristic and find the corresponding difference between these sizes to that accuracy 	- Estimate length, mass, capacity, temperature and area using standard units of measurement	#19: T1 - wks 5,6,7,8 #21: T1 - wks 1,2,3,4	#19: T1 - wks 5,6,7,8 #21: T1 - wks 1,2,3,4	
	- Select appropriate units of measurement	#19: T1 - wks 1,2,3,4	#19: T1 - wks 1,2,3,4	
	- Convert length, mass, capacity and time units	#19: T2 - all wks T3 - all wks T4 - all wks #20: T2 - wks 1,2,3,4 T3 - wks 1,2,3,4	#19: T2 - all wks T3 - all wks T4 - wks 1,2,3,4	#28: all terms
	- Work with units of measurement		#19: T4 - wks 5,6,7,8	
<ul style="list-style-type: none"> Refine descriptions of chance (random) events in the range from impossible to certain using words and fractions or decimals between 0 and 1 	- Recognise the relative likelihood of an event	#18: T3 - wks 1,2,3,4	#18: T2 - wks 5,6,7,8	#27: T2 - wks 5,6,7,8
<ul style="list-style-type: none"> Explain the role of symmetry in chance situations and experiments involving equally likely events (for example, that the symmetry inherent in a device used to generate random events may be used to calculate the probability of the outcomes in each event) 	- Find the likelihood of an event	#18: T4 - all wks	#18: T3 - wks 1,2,3,4	#27: T1 - wks 5,6,7,8
<ul style="list-style-type: none"> Comprehend that experimental estimates of probabilities (relative frequencies) converge to the theoretical probability values in the long run 	N/A	N/A	N/A	N/A

VELS Mathematics Standards	Maths Mate Skills	Maths Mate 5 Questions	Maths Mate 6 Questions	Maths Mate 7 Questions
<ul style="list-style-type: none"> Comprehend how chance events may be simulated (for example randomly choosing a birth month by selecting from a shuffled pack of cards without a king) and that simulations provide models (estimates) of situations that are impractical to deal with without using an empirical approach 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Classify numerical data as discrete or continuous and collect, organise, analyse, interpret and represent categorical, ordinal and numerical data in response to planned questions 	- Interpret stacked bar graphs	#18: T1 - wks 1,2,3,4	#18: T2 - wks 1,2,3,4	
	- Interpret pictographs	#18: T1 - wks 5,6,7,8 T3 - wks 5,6,7,8	#18: T1 - wks 1,2,3,4 T3 - wks 5,6,7,8	#27: T1 - wks 1,2,3,4
	- Interpret bar graphs	#18: T2 - wks 1,2,3,4	#18: T4 - wks 5,6,7,8	#27: T3 - wks 1,2,3,4
	- Interpret tables	#18: T2 - wks 5,6,7,8	#18: T1 - wks 5,6,7,8	#27: T2 - wks 1,2,3,4
	- Interpret line graphs			#27: T3 - wks 5,6,7,8
	- Interpret pie graphs			#27: T4 - wks 1,2,3,4
	- Interpret more complex graphs			#27: T4 - wks 5,6,7,8
<ul style="list-style-type: none"> Attend to the clarity of the questions, sampling techniques and methods used to present data 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Recognise and describe the relationship between measures of centrality and simple measures of spread used to describe and order data in a set 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Follow a plan and sequence of instructions involving shapes and measurements to construct an object from prefabricated parts, for example, a piece of furniture and a model car 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Calculate and compare the times taken by various people to complete activities 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Calculate probabilities associated with experiments involving equally likely events (for example, the probability of each outcome when two die are rolled) 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Calculate probabilities of symmetric events in the event space 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Calculate the mean, median and range for grouped and ungrouped data 	N/A	N/A	N/A	N/A

VELS Mathematics Standards	Maths Mate Skills	Maths Mate 5 Questions	Maths Mate 6 Questions	Maths Mate 7 Questions
<ul style="list-style-type: none"> Construct graphs to represent data sets and devise suitable scales (nominal, ordinal or interval) for the reference lines (axes) for the categories and frequencies of the data 	N/A	N/A	N/A	N/A
Structure Level 4				
At level 4 students:				
<ul style="list-style-type: none"> Form and specify sets of numbers, shapes, transformations and data according to given criteria and/or conditions such as equivalence, congruence and sampling for particular attributes 	- Illustrate and find equivalent fractions	#11: T4 - wks 5,6,7,8	#11: T2 - wks 5,6,7,8	#11: T2 - wks 5,6,7,8
	- Describe transformations of shapes		#17: T4 - wks 5,6,7,8	#24: T3 - wks 5,6,7,8
<ul style="list-style-type: none"> Identify the nature of the set (the population) and data from which samples are drawn as finite or infinite and discrete or continuous 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Use Venn diagrams and Karnaugh maps to test the validity of simple deductive arguments involving simple applications of the quantifiers <i>none</i>, <i>some</i> or <i>all</i> to sets 	- Interpret Venn diagrams		#18: T4 - wks 1,2,3,4	
<ul style="list-style-type: none"> Identify variables and related variables in everyday situations and explain the ideas of change, dependency and allowable values in relationships between pairs of variables 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Interpret sketch graphs involving functions of a single variable 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Construct rules for sequences using recursion relations and relations that depend on the position of the term in the sequence 	- Complete number patterns	#13: all terms	#13: all terms	#17: all terms
<ul style="list-style-type: none"> Describe the features of shapes or solids that remain the same or change when the shape or solid is enlarged or reduced 	N/A	N/A	N/A	N/A
<ul style="list-style-type: none"> Describe general patterns using words, numbers, diagrams and symbols 	- Complete number patterns	#13: all terms	#13: all terms	#17: all terms
<ul style="list-style-type: none"> Establish equivalence of simple mathematical expressions involving properties, such as the distributive property for multiplication over addition, $a(b + c) = ab + ac$ 	- Group like terms in simple algebraical expressions			#21: all terms

VELS Mathematics Standards	Maths Mate Skills	Maths Mate 5 Questions	Maths Mate 6 Questions	Maths Mate 7 Questions
<ul style="list-style-type: none"> Identify and apply the identity and inverse elements for the arithmetic operation on integers and rational numbers, and for simple transformations in space 	- Solve simple linear equations by identifying the inverse elements for the arithmetic operations			#23: all terms