Summative Assessment	PMAT Assessment	Achieved Students are able to:	Where next Students are Learning to:	Maths Aotearoa	Ready for Year
Early Level 1 By end of 6 months	Use Section 1	Match 1 – 1 Make a set up to 10 Count to 10 Copy simple patterns	• Read and Write Numerals to 20; • Join and Partition Sets; • Using + symbol; • Share into equal groups; • Count to say how many; • Name and sort common shapes.	Working in Book 1A	Year 1
Mid Level 1 By end of year 1	Use Section 2	Read and Write Numerals to 20 Join and Partition Sets Using + symbol Share into equal groups Count to say how many Name and sort common shapes	• Solve problems by counting on or back or skip counting using known counting sequence; • Use number patterns • Read & write numerals to 100 • Recognise halves and quarters as 2 or 4 equal groups or pieces.	Working in book 1B	Year 2
Upper Level 1 By end of year 2	Use Section 3	Solve problems by counting on or back or skip counting using known counting sequence in the range 0 - 100. Recognises halves and quarters as 2 or 4 equal groups or pieces.	• Use doubles and teens knowledge to solve addition problems within 20; • Add and subtract double digit numbers with no regrouping; • Understand multiplication as equal grouping; • Understand unit fractions as equal parts.	Working in Book 2A	Year 3
Early Level 2 By end of Year 3 **End of Phase 1**	Use Section 3 Section 4 Q1 & Q2	Use doubles and teens knowledge to solve addition & subtraction problems within 20. Add and subtract double digit numbers with no regrouping. Understand multiplication as equal grouping. Can read an array. Recalls x 2 x 5 x 10	• Add and subtract double digit numbers using knowledge of place value and basic facts; • Represent multiplication using an array; • Use doubling and halving; • Understand fractions as a result of a division.	Working in Book 2B	Year 4

Upper Level 2 By end of Year 4	Use Section 4	Add and subtract double & triple digit numbers reliably & efficiently Recall addition and subtraction facts to 20 Can represent multiplication using an array. Uses doubling and halving. Recall x 3 x 4 Understands fractions as a result of a division.	• Add & subtract double & triple digit addition and subtraction reliably & efficiently • Derive unknown multiplication facts from known facts using the distributive property; • Use the multiplicative relationship between halves and quarters. • Use division as the inverse of multiplication; • Find a unit fraction of a set using multiplication facts.	Working in Book 3A	Year 5
Early Level 3 By end of year 5	Use Section 4 Section 5 Q 1 - 3	Add & subtract double & triple digit addition and subtraction reliably & efficiently Recall or quickly derive using the distributive property or doubling & halving most multiplication facts Understand division as the inverse of multiplication. Can find a unit fraction of a set using multiplication facts.	• Add and subtract whole numbers and decimals • Divide whole numbers by a single divisor • Multiply 2 digit numbers • To find a non-unit fraction of a set using multiplication & division. • Solve ratio problems	Working in Book 3B	Year 6
Upper Level 3 By end of year 6 **End of Phase 2**	Use Section 5 Section 6 Q1	Add and subtract whole numbers and decimals Divide whole numbers by a single divisor Multiply 2 digit numbers Find a non-unit fraction of a set using multiplication & division. Solve ratio problems	• Solve more complex problems with addition and subtraction Solve problems involving fractions • Use the inverse relationship between multiplication & division. • Use a standard algorithm for a single digit multiplier or divisor as appropriate • Solve multi digit multiplication problems using array thinking. • Use ratios and equivalent fractions to solve problems by making proportional adjustments.	Working in Book 4A	Year 7

Early Level 4 By end of year 7	Use Section 6	Understand and use inverse relationship between multiplication & division. Solve multi digit multiplication problems using array thinking. Use ratios and equivalent fractions to solve problems by making proportional adjustments.	• Solve multi step problems requiring a mix of operations; • Apply knowledge of multiplication and place value to decimals. • Work efficiently with multiplication and division in multiplicative comparison situations requiring proportional adjustments. • Multiply and divide decimal numbers using standard written form as appropriate. •	Working in Book 4B	Year 8
Upper Level 4 By end of year 8 **End of Phase 3**	Use Section 6	Solve multi step problems requiring a mix of operations. Work efficiently with addition and subtraction of whole numbers and decimals making estimations and checking reasonableness of answers. Work efficiently with multiplication and division in multiplicative comparison situations requiring proportional adjustments. Multiply and divide decimal numbers using standard written form as appropriate	• Work flexibly with whole numbers, integers, decimals & fractions		Year 9