

	Autumn Term	Spring Term	Summer Term
Week 1	Place value - To explore Roman Numerals up to 1000 - To read, write and know the value of each number up to 10000 - To read, write and know the value of each number up to 100,000 - To read, write and know the value of each number up to 1,000,000 - To consolidate my learning.	Fractions - add and subtract - Add and subtract fractions with the same denominator - Add fractions within 1 - Add fractions with a total greater than 1 - Add to a mixed number - Add 2 mixed numbers	Decimals - Adding /subtracting decimals with different number of decimal places - Adding and subtracting wholes and decimals. - Decimal sequences - Multiplying decimals by 10, 100 and 1,000 - Dividing decimals by 10, 100 and 1,000
Week 2	Rounding - LO: Round to the nearest 10, 100 or 1,000 - LO: Round within 100,000 - LO: Round within 1,000,000 - LO: Compare and order numbers to 100,000 - LO: Compare and order numbers to 1,000,000	Fractions - Subtract fractions - Subtract from a mixed number - Subtract 2 mixed numbers - Problem solving	Position and direction - Line of symmetry - Complete a symmetric figure - Reflection - Reflection with coordinates
Recapping/review/revisit			Recapping/review/revisit - Symmetry from Y4. 2D and 3D shapes. - Calculating angles in shapes
Week 3	Add and Subtract - To add two 4-digit number with one exchange - To add two 4-digit numbers with more than one exchange - To add whole numbers with more than 4-digits - To subtract two 4-digit numbers using one exchange - To subtract two 4-digit numbers using one exchange	Decimals - Decimals up to 2 DP - PUMA/PIRA - Decimals and fractions 1 - Decimals and fractions2	Properties of shape - Triangles - Quadrilaterals - Calculating lengths and angles in shapes - Regular and irregular polygons - Reasoning about 3-D shapes
Week 4	Perimeter and Fractions - To measure perimeter - To measure perimeter on a grid	Decimals and percentages - Equivalent fractions and decimals - Thousandths as fractions - Thousandths as decimals	Volume - What is volume? - Compare volume - Estimate volume

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	- To find fractions equivalent to a unit fraction - To find fractions equivalent to a non- unit fraction - To recognise equivalent fractions	- Thousandths on a place value chart - Order and compare decimals (same number of decimal places)	Estimate capacity
Recapping/review/revisit other topics	Recapping/review/revisit - Place value from Year 4 - Counting in multiples of... - Addition/subtraction 2D/3D shape names and properties	Recapping/review/revisit - Telling time to 5 minutes - Days, months, years, seconds, minutes - Comparing and converting lengths - Multiplication and addition - Fractions - Decimals	Recapping/review/revisit - Measure – Km - Measure (metric/imperial) - Time
Week 5	Fractions - To convert improper fractions to mixed numbers - To convert mixed numbers to improper fractions - To tell the time to 5 minutes - To tell the time to the minute - To use a.m. and p.m. to describe the time of day	Shapes and angles - Shapes - Identify angles - Compare and order angles - - Measure angles in degrees - Measuring with a protractor 1 - Measuring with a protractor 2	Converting units - Kilometres - Kilograms and kilometres - Millimetres and millilitres - Metric units - Imperial units - Converting units of time Due to swimming, Puma and Pira these lessons are going to be reinforced
Week 6	Time and factors - To tell the time on a 24-hour clock - To recap our understanding of multiples - To recap our understanding of common multiples - To recap our understanding of factors - To recap our understanding of common factors	Statistics - Interpret graphs - Compare , sum and difference - Introduce line graphs - Read and interpret line graphs - Line graphs	Statistics and Converting units - Converting units of time - Use line graphs to solve problems - Read and interpret tables - Two-way tables - Timetables
Recapping/review/revisit	Recapping/review/revisit - Place value from Year 4 - Counting in multiples of... - addition/subtraction		Recapping/review/revisit - Measure – Km - Measure (metric/imperial) - Time

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	2D/3D shape names and properties		
Week 7	Prime and square numbers - To understand what prime numbers are - To consolidate our understanding of square numbers - To consolidate our understanding of cube numbers - PIRA and PUMA	Properties of shapes - Drawing lines and angles accurately - Calculating angles on a straight line - Calculating angles around a point - Calculate angles - Vertically opposite angles	Converting units - Kilometres - Kilograms and kilometres - Millimetres and millilitres - Metric units - Imperial units - Converting units of time
Recapping/review/revisit	Recapping/review/revisit - Telling time to 5 minutes - Days, months, years, seconds, minutes - Comparing and converting lengths	Recapping/review/revisit 1,10,100 more and less - Partitioning - Addition/subtraction	
Week 8	Multiply and divide - To multiply by 10, 100, 1000 - To divide by 10,100,1000 - Multiples of 10, 100, 1000 - To consolidate my learning on multiples of 10, 100, 1000 - To solve problems using dividing and multiplying by 10,100,1000	Decimals - Order and compare any decimals with up to 3 decimal places - Round to the nearest whole number - Round to 1 decimal place - Understand percentages - Percentages as fractions (lesson carried over to Monday next week)	Statistics & Converting units - Converting units of time - Use line graphs to solve problems - Read and interpret tables - Two-way tables - Timetables
Recapping/review/revisit			Recapping/review/revisit - Equivalent fractions - Unit & non unit fractions equivalents
Week 9	Add and subtract/inverse - To use inverse to add and subtract - To solve multistep addition and subtraction problems - To compare calculations - To find the missing number	Percentages and Decimal - Percentages as fractions and percentages as decimals (carried over) - Equivalent fractions, decimals and percentages - Adding decimals within 1 - Subtracting decimals within 1 - Complements to 1	Multiply and Divide - Multiply 2 digits by 2 digits - Multiply 3 digits by 2 digits - Multiply 4 digits by 2 digits - Divide with remainders - Divide using long division
Recapping/review/revisit	Recapping/review/revisit - Multiplication and addition - Fractions	Recapping/review/revisit - Times tables - Time	

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	- Decimals 1,10,100 more and less - Partitioning	- Multiplication and addition - Fractions - Decimals -understand thousandths - Thousands and decimals	
Week 10	Multiplication - To multiply 2 digits by 1 digit number - To multiply 3 digits by 1 digit number - To multiply 4 digits by 1 digit number - To multiply 2 digits by 2 digits using area model - To multiply 2 digits by 2 digits number	Decimals - Adding decimals (crossing the whole) - Adding decimals - same number of decimal places - Subtracting decimals - same number of decimal places (Adding and subtracting decimals with the same number of decimal places problem solving) - Adding decimals with a different number of decimal places - Subtracting decimals with a different number of decimal places	Fractions equivalent and mixed numbers - Find fractions equivalent to a unit fraction - Find fractions equivalent to a non-unit fraction - Recognise equivalent fractions - Convert improper fractions to mixed numbers
Recapping/review/revisit			Recapping/review/revisit - Perimeter - Area - Regular vs irregular shapes
Week 11	Division - To divide 2 digits by 1 digit (1) - To divide 2 digits by 1 digit (2) - To divide a 3 digit number by a 1 digit - To divide 4 digit by a 1 digit - To divide using remainders - To consolidate my learning in division and multiplication	Translation - Describe position - Draw on a grid - Position in the first quadrant - Translation - Translation with coordinates	Area and Perimeter - Recap Perimeter of rectilinear shapes - Calculate perimeter - Area of rectangles - Area of compound shapes - Area of irregular shapes
Recapping/review/Revisit	Recapping/review/revisit - Addition/subtraction - Times tables - Time - Multiplication & div - Fractions 1,10,100 more and less	Recapping/review/revisit - Multiplication/division - Pre-teach shapes - Lines - Rounding	

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Week 12	Fractions - To add and subtract fractions with the same denominator - To subtract fractions - Subtract from a mixed number - Add to a mixed number - Subtract from a mixed number		Adding and Subtracting - Recap Subtract two 4-digit numbers - one exchange - Recap Subtract two 4-digit numbers - more than one exchange - Subtract whole numbers with more than 4 digits (column method) - Inverse operations (addition and subtraction) - Multi-step addition and subtraction problems
Recapping/review/Revisit			Recapping/review/revisit A mix of all topics
Week 13	Multiplication 2/2 digits - To multiply 2 digits by 2 digit - To multiply 3 digits by 2 digit - To multiply a 4 digit number by a 2 digit - To multiply 4 digit by a 2 digit (consolidation) - To solve division and multiplication problems		
Recapping/review/Revisit	Recapping/review/revisit - Multiplication/division - Pre-teach shapes - Lines		
Week 14	Area and perimeter - Area and perimeter - counting squares - Area of rectangles - Area of compound shapes - Area of irregular shapes		
Recapping/review/revisit	Recapping/review/revisit recap all knowledge from term		