

Preston Manor Lower School | Math Year 5 | Long Term Plan 2026-2027

Autumn Term													
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
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.	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	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	Perimeter and Fractions To measure perimeter To measure perimeter on a grid To find fractions equivalent to a unit fraction To find fractions equivalent to a non-unit fraction To recognise equivalent fractions	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	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	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	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	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	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	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	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	Multiplication on 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	Area and perimeter -area and perimeter - counting squares -area of rectangles -area of compound shapes -area of irregular shapes
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		Recapping/review/revisit Multiplication and addition Fractions Decimals -1,10,100 more and less -Partitioning			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		-recap all knowledge from term

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Spring Term										
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
<u>Fractions - add and subtract</u> -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	<u>Fractions</u> -subtract fractions -subtract from a mixed number subtract 2 mixed numbers Problem solving	<u>Decimals</u> -decimals up to 2 DP PUMA/PIRa -decimals and fractions 1 -decimals and fractions 2	<u>Decimals and percentages</u> -Equivalent fractions and decimals -Thousandths as fractions -Thousandths as decimals -Thousandths on a place value chart -Order and compare decimals (same number of decimal places)	<u>Shapes and angles</u> -shapes -identify angles -compare and order angles - -measure angles in degrees -measuring with a protractor 1 -measuring with a protractor 2	<u>Statistics</u> -interpret graphs -compare , sum and difference -introduce line graphs -read and interpret line graphs -line graphs	<u>Properties of shapes</u> -Drawing lines and angles accurately -Calculating angles on a straight line -Calculating angles around a point - Calculate angles -Vertically opposite angles	<u>Decimals</u> -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)	<u>Percentages and Decimal</u> -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	<u>Decimals</u> -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	<u>Translation</u> -describe position -draw on a grid -position in the first quadrant -translation -translation with coordinates
Recapping/review/revisit		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 -1,10,100 more and less -Partitioning -Addition/subtraction		Recapping/review/revisit -Times tables Time Multiplication and addition Fractions Decimals -understand thousandths -thousands and decimals		Recapping/review/revisit -Multiplication/division - Pre-teach shapes -Lines -Rounding	

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Summer Term											
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Decimals	<u>Position and direction</u>	<u>Properties of shape</u>	<u>Volume</u>	<u>Converting units</u>	<u>Statistics</u> <u>Converting units</u>	<u>Converting units</u>	<u>Statistics & Converting units</u>	<u>Multiply and divide</u>	<u>Fractions equivalent and mixed numbers</u>	<u>Area and perimeter</u>	<u>Adding and subtracting</u>
-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	-Line of symmetry -Complete a symmetric figure -Reflection -Reflection with coordinates	-Triangles -Quadrilaterals -Calculating lengths and angles in shapes -Regular and irregular polygons -Reasoning about 3-D shapes	-What is volume? -Compare volume -Estimate volume -Estimate capacity	- 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	-Converting units of time -Use line graphs to solve problems -Read and interpret tables -Two-way tables -Timetables	- Kilometres -Kilograms and kilometres -Millimetres and millilitres -Metric units -Imperial units -Converting units of time	Converting units of time -Use line graphs to solve problems -Read and interpret tables -Two-way tables -Timetables	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	-find fractions equivalent to a unit fraction -find fractions equivalent to a non- unit fraction -recognise equivalent fractions -convert improper fractions to mixed numbers	Recap Perimeter of rectilinear shapes Calculate perimeter Area of rectangles Area of compound shapes Area of irregular shapes	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
<u>Recapping/review/revisit</u> - symmetry from Y4. - 2D and 3D shapes. - calculating angles in shapes		<u>Recapping/review/revisit</u> - Measure – Km - Measure (metric/imperial) - time		<u>Recapping/review/revisit</u> - addition - subtraction - multiplication - division		<u>Recapping/review/revisit</u> - equivalent fractions - unit & non unit fractions equivalents		<u>Recapping/review/revisit</u> - Perimeter - Area - Regular vs irregular shapes		<u>Recapping/review/revisit</u> A mix of all topics.	