

Glenthorne Community Primary School

Maths overview 2021-2022

Year 5

	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
Autumn	Number: Place Value			Number: Addition and Subtraction		Statistics		Number: Multiplication and Division			Measurement: Perimeter and Area		Consolidation and termly testing	
Spring	Number: Multiplication and Division			Number: Fractions						Number: Decimals and Percentages		Consolidation and termly testing		
Summer	Number: Decimals			Geometry: Properties of Shape			Geometry: Position and Direction		Measurement: Converting Units		Measurement: Time	Consolidation and termly testing		

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Autumn	Spring	Summer
Number: Place Value <ul style="list-style-type: none"> ➤ Numbers to 10,000 ➤ Round to the nearest 10, 100 and 1,000 ➤ Numbers to 100,000 ➤ Compare and order numbers to 100,000 ➤ Round numbers within 100,000 ➤ Numbers to a million ➤ Counting in 10's, 100's, 1,000's, 10,000's and 100,000's ➤ Compare and order numbers to one million ➤ Round numbers to one million ➤ Negative numbers ➤ Roman numerals 	Number: Multiplication and Division <ul style="list-style-type: none"> ➤ Multiply 4-digits by 1-digit ➤ Multiply 2-digits by 2-digits ➤ Multiply 3-digits by 2-digits ➤ Multiply 4-digits by 2-digits ➤ Divide 4-digits by 1-digit ➤ Divide with remainders 	Number: Decimals <ul style="list-style-type: none"> ➤ Adding decimals within 1 ➤ Subtracting decimals within 1 ➤ Complements to 1 ➤ Adding decimals - crossing the whole ➤ Adding decimals with the same number of decimal places ➤ Subtracting decimals with the same number of decimal places ➤ Adding decimals with a different number of decimal places ➤ Subtracting decimals with a 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
Number: Addition and Subtraction <ul style="list-style-type: none"> ➤ Add whole numbers with more than 4-digits (column method) ➤ Subtract whole numbers with more than 4-digits (column method) ➤ Round to estimate and approximate ➤ Inverse operations (addition and subtraction) ➤ Multi-step addition and subtraction problems 	Number: Fractions <ul style="list-style-type: none"> ➤ Equivalent fractions ➤ Improper fractions to mixed numbers ➤ Mixed numbers to improper fractions ➤ Number sequences ➤ Compare and order fractions less than 1 ➤ Compare and order fractions greater than 1 ➤ Add and subtract fractions ➤ Add fractions within 1 ➤ Add 3 or more fractions 	Geometry: Properties of shape <ul style="list-style-type: none"> ➤ Measure angles in degrees ➤ Measuring with a protractor ➤ Drawing lines and angles accurately ➤ Calculating angles on a straight line ➤ Calculating angles around a point ➤ Calculating lengths and angles in shapes ➤ Regular and irregular polygons ➤ Reasoning about 3-D shapes



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	<ul style="list-style-type: none">➤ Add fractions➤ Add mixed numbers➤ Subtract fractions➤ Subtract mixed numbers➤ Subtract - breaking the whole➤ Subtract 2 mixed numbers➤ Multiply unit fractions by an integer➤ Multiply non-unit fractions by an integer➤ Multiply mixed numbers by integers➤ Fraction of an amount➤ Using fractions as operators	
Statistics <ul style="list-style-type: none">➤ Read and interpret line graphs➤ Draw line graphs➤ Use line graphs to solve problems➤ Read and interpret tables➤ Two-way tables➤ Timetables	Number: Decimals and Percentages <ul style="list-style-type: none">➤ Decimals up to 2 d.p.➤ Decimals as fractions➤ Understand thousandths➤ Thousandths as decimals➤ Rounding decimals➤ Order and compare decimals➤ Understand percentages➤ Percentages as fractions and decimals➤ Equivalent F.D.P.	Geometry: Position and Direction <ul style="list-style-type: none">➤ Position in the first quadrant➤ Translation➤ Translation with coordinates➤ Reflection➤ Reflection with coordinates
Number: Multiplication and Division <ul style="list-style-type: none">➤ Multiples➤ Factors➤ Common factors➤ Prime numbers➤ Square numbers		Measuring: Converting Units <ul style="list-style-type: none">➤ Kilograms and kilometres➤ Millimetres and millilitres➤ Metric units➤ Imperial units➤ Converting units of time



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<ul style="list-style-type: none">➤ Cube numbers➤ Multiply by 10, 100 and 1,000➤ Divide by 10, 100 and 1,000➤ Multiples of 10, 100 and 1,000		<ul style="list-style-type: none">➤ Timetables
Measurement: Perimeter and Area <ul style="list-style-type: none">➤ Measure perimeter➤ Calculate perimeter➤ Area of rectangles➤ Area of compound shapes➤ Area of irregular		Measurement: Volume <ul style="list-style-type: none">➤ What is volume?➤ Compare volume➤ Estimate volume➤ Estimate capacity