

Maths long term plan - Year 5

	1	2	3	4	5	6	7	8	9	10	11	12
A U T U M N	Place value			Addition and subtraction		Multiplication and division A			Fractions A			
	Roman numerals to 1,000 Numbers to 10,000 Numbers to 100,000 Numbers to 1,000,000 Read and write numbers to 1,000,000 Powers of 10 10/100/1,000/10,000/100,000 more or less Partition numbers to 1,000,000 Number line to 1,000,000 Compare and order numbers to 100,000 Compare and order numbers to 1,000,000 Round to the nearest 10, 100 or 1,000 Round within 100,000 Round within 1,000,000			Mental strategies Add whole numbers with more than four digits Subtract whole numbers with more than four digits Round to check Inverse operations (addition and subtraction) Multi-step addition and subtraction problems Compare calculations Find missing numbers		Multiples Common multiples Factors Common factors Prime numbers Square numbers Cube numbers Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiples of 10, 100 and 1,000			Find fractions equivalent to a unit fraction Find fractions equivalent to a non-unit fraction Recognise equivalent fractions Convert improper fractions to mixed numbers Convert mixed numbers to improper fractions Compare fractions less than 1 Order fractions less than 1 Compare and order fractions greater than 1 Add and subtract fractions with the same denominator Add fractions within 1 Add fractions with total greater than 1 Add to a mixed number Add two mixed numbers Subtract fractions Subtract from a mixed number Subtract from a mixed number - breaking the whole Subtract two mixed numbers			

S P R I N G	Multiplication and division B Multiply 4 digits by 1 digit Multiply 2 digits (area model) 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	Fractions B 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	Decimals and percentages Decimals as 2 dp Decimals as fractions Understanding thousandths Thousandths as decimals Rounding decimals Order and compare decimals Understand percentages Percentages as fractions and decimals Equivalent FDP	Perimeter and area Measure perimeter Perimeter on a grid Perimeter of rectangles Perimeter of rectilinear shapes Calculate perimeter Counting squares Area of rectangles Area of compound shapes Area of irregular shapes		Statistics Interpret charts Comparison, sum and difference Introduce line graphs Read and interpret line graphs Draw line graphs Use line graphs to solve problems Read and interpret tables Two way tables Timetables
	Shape Measuring angles in degrees Measuring with a protractor Drawing lines and angles accurately Calculating angles on a straight line Calculating angles around a point Calculating lines and angles in shapes Regular and irregular polygons Reasoning about 3D shapes	Position and direction Position in the first quadrant Reflection Reflection with coordinates Translation Translation with coordinates	Decimals Decimals as 2 dp Decimals as fractions Understanding thousandths Thousandths as decimals Rounding decimals Order and compare decimals Understand percentages Percentages as fractions and decimals Equivalent FDP	Negative numbers Negative numbers	Converting units Kilograms and kilometres Milligrams and millilitres Metric units Imperial units Converting units of time Timetables	Volume What is volume Compare volume Estimate volume Volume Estimate capacity