

COATHAM CE PRIMARY SCHOOL
MATHEMATICS

YEAR 5	Strands	Progression Focus	Weekly Summary
AUTUMN 1			
1	NPV Number and Place Value	Weeks 1 and 2 focus on establishing a robust understanding of place value with numbers up to 1 million.	Read, write, compare and order up to 5 digit-numbers, understanding the place value and using < and > signs.
2			Read, write, compare and order 6-digit numbers, understanding the place value and using < and > signs.
3	NPV Number and Place Value	Add and subtract multiples of 10, 100 and 1000 to and from 5-digit numbers	Place numbers to 100,000 and decimals up to two places on a line, round numbers to the nearest 10, 100 and 1000 and decimals up to two places to the nearest whole number, compare and order numbers with up to two decimal places
4	MAS Mental addition and subtraction; WAS Written addition and subtraction NPV Number and Place Value	Addition and subtraction weeks focus on establishing a robust understanding of place value and using this in the development of addition and subtraction calculation strategies.	Add and subtract, 3 and 4 digit numbers mentally; choose a strategy for solving mental additions or subtractions; solve word problems.
5	WAS Written addition and subtraction MAS Mental addition and subtraction	Addition and subtraction. Development of addition and subtraction strategies. Subtraction focuses on using formal written subtraction and counting up as appropriate, including when finding change.	Use written addition to add two 4-digit numbers; work systematically to spot patterns. Solve subtraction using a written method for 3-digit and 4-digit numbers; use counting up as a strategy to perform mental subtraction; find change from a multiple of ten pounds using counting up.
6	MMD Mental multiplication and division; FRP Fractions, ratio and proportion	Multiplication and division and fractions Focus on multiplication and division and extend children's understanding of fractions	Recognise factors and prime numbers. Recognise which numbers are divisible by 2, 3, 4, 5, 6, 9 and 25 and identify multiples; find factors, recording results systematically and finding all factors of a given number; compare and place fractions on a number line, find equivalent fractions and reduce them to their simplest form.
Assessment Week			

COATHAM CE PRIMARY SCHOOL MATHEMATICS

YEAR 5	Strands	Progression Focus	Weekly Summary
AUTUMN 2			
1	PRA Problem solving, reasoning and algebra MEA Measurement	Area and Perimeter; Volume Focuses on calculating areas, perimeters and volumes, and understanding the difference between measurement in one, two and three dimensions.	Find the area and perimeter of squares and rectangles by calculation and pursue a line of enquiry; estimate and find the area of irregular shapes; calculate the perimeter and area of composite shapes; use the relations of area and perimeter to find unknown lengths; begin to understand the concept of volume; find the volume of a cube or cuboid by counting cubes; understand volume as measurement in three dimensions; relate volume to capacity, recognise and estimate volumes.
2	MMD Mental Multiplication and division NPV Number and Place Value PRA Problem solving, reasoning and algebra	Multiplication and division Focuses on the rehearsal and development of mental calculation strategies for multiplication and division, and on identifying.	Use rules of divisibility to find if numbers are divisible by 2, 3, 4, 5, 9 and 10; of numbers; find squares and square roots of square numbers; finding patterns and making and testing rules; use mental multiplication and division strategies; relate mental division strategies.
3	MMD Mental multiplication and division PRA Problem solving and reasoning NPV Number and Place Value	Multiplication and division and fractions Focus on factors and multiples	Identify factors and multiples, find factor pairs, identify prime numbers, revise finding factors. Read Roman numerals up to 1000 and write dates using Roman numerals.
4	WMD Written multiplication and division FRP Fractions, ratio and proportion	Multiplication and division and fractions Focus on factors and multiples; on securing the concept of equivalent fractions to enable calculations with fractions; and on further developing written methods of multiplication and division.	Revise short multiplication; multiplying 3 and 4 digits by a single digit Use long multiplication to multiply 3-digit and 4-digit numbers by teens numbers.
5	MMD Mental multiplication and division WMD Written multiplication and division PRA Problem solving, reasoning and algebra	Multiplication and division and fractions Focus on factors and multiples; on securing the concept of equivalent fractions to enable calculations with fractions; and on further developing written methods of multiplication and division.	Revise short multiplication multiplying 3 and 4 digits by a single digit. Use long multiplication to multiply 3-digit and 4-digit numbers by teens numbers.
6	MMD Mental multiplication and division WMD Written multiplication and division PRA Problem solving, reasoning and algebra	Multiplication and division; fractions Focus on division, and extend children's understanding of fractions.	Divide 3-digit numbers by 1 digit numbers using a written method and express remainders as a fraction and solve division word problems.
Two Assessment Weeks			