



Mathematics

Year 5: Autumn Term

Maths Cultural Capital = In every lesson, where possible, try to include pedagogy so pupils are expected to apply their maths knowledge and skill to different problems and subject contexts across the curriculum.

Differentiation - Please see teachers' weekly planning for challenging the exceeding pupils and ensuring access for the emerging pupils. Also, refer to the SEND pupils IEP's to ensure their needs are included.

Minimum expectations for AfL strategies in Maths lessons = targeted questioning, mini whiteboards, peer talk, modelling.

Developing pupils' long term memory skills - use - LAST/LAST/LAST strategy linked to WALTs for the lesson.

Term	Week	National Curriculum Statement	WALT Intent	Success Criteria Impact	Key Questions and NC skills developed in the activities Implementation	Resources	Vocabulary
Autumn 1 1.1 Number	Week 1 Number Place Value	Count forwards or backwards in steps of powers of 10 for any given number up to 500 000	WALT: count forwards or backwards in steps of powers of 10 for any given number up to 500 000	I can count forwards and backwards in steps of powers of 10		Pendulum Digit cards Place value cards	Hundreds, tens, ones Thousands Ten thousands Hundred thousands Powers of 10 Forwards/backwards
	Week 2 Number Place Value	Read & write numbers to at least 1000 000 and determine the value of each digit.	WALT: Read and write numbers to at least 1,000,000 and determine the value of each digit.	I can read and write numbers up to 1000000		Place value cards Digit cards Place value grid	,Hundreds, tens, ones Thousands Ten thousands Hundred thousands Greater than Less than compare
	Week 3 Number Place Value	Read, write, order and compare numbers to at	WALT: Read, write, order and compare numbers to at	I can determine the value of each digit in a number up to 1,000,000		Place value card Place value grid	Hundreds, tens, ones Thousands

		least 1000 000 and determine the value of each digit.	least 1000 000 and determine the value of each digit	I can order and compare numbers up to 1,000,000			Ten thousands Hundred thousands Greater than Less than compare
	Week 4 Number Place Value	Round any number up to 500 000 to the nearest 10, 100,1000, 10 000 and 100 000	WALT: round any number up to 500, 000 to the nearest 10/ 100/1000/10 000 and 100 000	I can demonstrate how to round numbers to the nearest 10/100/1000/10000/1000000	.	Place value card Place value grid Digit cards rulers	Estimate Estimating Round Rounding calculations
	Week 5 Number Place Value	Multiply and divide whole numbers and those involving decimals by 10, 100	WALT: Multiply and divide whole numbers and those involving decimals by 10, 100	I can explain and demonstrate how to multiply whole and decimal numbers by 10/100/100/10000/100000 I can explain and demonstrate how to divide whole and decimal numbers by 10/100/100/10000/100000		Place value grids	Place value converting
	Week 6 Measurement	Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)	WALT: convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)	I can convert between Mm, centimetres, metres and kilometres I can convert between grams and kilograms I can convert between ml and litres		Rulers Metre sticks Measuring cups (Ml/l)	Kilometres Centimetres Millimetres Place value Converting convert

Autumn2	Week 1	Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers	WALT: 1a. Identify multiples and factors pairs of a number	I can identify the multiples and factor pairs of a number.		Number cards	Multiples Factors Common factors Multiply Multiplying Formal method
	Multiplication and Division	Multiply numbers up to 4 digits by a one-digit number using a formal written method	1b to find common factors of two numbers	I can find least common factor of two numbers			
		Multiply and divide numbers mentally drawing upon known facts	1c. Multiply 3-4 digit numbers using the formal written method.	I can multiply a 4 digit number by a one digit number			
	Week 2	Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context	WALT: 1a. Divide numbers up to 4 digits by a one-digit number using the formal written method of short division	I can divide a 4 digit number by a one digit number		Number cards	Divide Division One digit Interpret Decimals Formal method
	Multiplication and Division	<i>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000</i>	1b. Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000	I can interpret remainders			
				I can divine and multiply whole numbers by 10/100/1000			
	Week 3	Solve problems involving multiplication and division including using their knowledge of factors and multiples	WALT: 1a. Solve problems involving multiplication and division	I can solve multiplication and division word problems		Number cards	Divide Division One digit Interpret Decimals Formal method Problem solving addition Subtraction Calculate
	Multiplication and Division	Solve problems involving addition, subtraction, multiplication and	1b. Solve problems involving addition, subtraction, multiplication and division.	I can solve word problems Using all the operations			

		division and a combination of these, including understanding the meaning of the equals sign					
	Week 4 Measurement	<i>Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation including scaling.</i>	WALT: <i>Use all four operations to solve problems involving measure</i>	I can use all four operations to solve problems involving measure		Number cards	Division operations Formal method Problem solving addition Subtraction Calculate
	Week 5	Read Roman numerals to 1000 (M) and recognise years written in Roman numerals	WALT Read Roman numerals to 1000 (M) and recognise years written in Roman numerals	I can read roman numerals up to 1000 I can write roman numerals p to 1000 I can recognise and write years in roman numerals			Roman numerals I =1 V=5 X = 10 L =50 C =100 D =500 M =1000
	Week 6 Fractions (including decimals and percentages)	Read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$] Round decimals with two decimal places to the nearest whole number and to one decimal place Read, write, order and compare numbers with up to three decimal places	WALT: Read and write decimal numbers as fractions 1b. Round decimals with two decimal places to the nearest whole number 1c. Read, write, order and compare numbers with up to three decimal places	I can write decimal numbers as fractions I can round decimals with to 2 dp to the nearest whole number I i can order and compare number with 2-3dp		Decimal chart	Decimal One decimal place Two decimal places Whole number Fractions