



St James Number and Place Value Journey



COUNTING						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Counts up to three or four objects by saying one number name for each item.	Count, read and write numbers to 10 (and back to zero) Cubes Tens frame Counters			count backwards through zero to include negative numbers	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero	use negative numbers in context, and calculate intervals across zero Negative number lines
Counts actions or objects which cannot be moved.	Count, read and write numbers to 20 (and back to zero) Cubes Tens frame Counters					
	count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens	count in steps of 2 forward or backward from any number. Base 10	count from 0 in multiples of 100 ; Base 10 Part Wholes (Partitioning) Objects	Count in multiples of 25 Number lines Number discs (BPYP)	Count forwards in steps of powers of 10 for any given number up to 1000 000	
Counts out up to six objects from a larger group.		count in steps of 10 forward or backward from any number.	count from 0 in multiples of 50 ; Straws	count in multiples of 1000 Base 10		

Black – The objective

Blue – The manipulatives that need to be used

Orange – Taught discretely or taught during mental maths/rapid recall

Purple – Covered in within other lessons/objectives.

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		Base 10	50 number strips Number lines Dice Objects	Number discs (BPYP)		
Counts an irregular arrangement of up to ten objects.		Count in steps of 5 forward or backward from any number. Base 10	count from 0 in multiples of 4 and 8 ; £1 coins Objects	count in multiples of 6, 7 and 9 One hundred squares Number cards	Count backwards in steps of powers of 10 for any given number up to 1000 000	
	given a number up to 20, identify one more and one less. Cubes Number line	count in steps of 3 forward or backward from any number. Base 10	find 10 or 100 more or less than a given number Number strips Number lines Base 10 Place Value Charts (Blank)	find 1000 more or less than a given number Number lines Number discs (BPYP) Number arrows (BPYP) Number strips		
COMPARING						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Uses the language of 'more' and 'fewer'	Comparing number of objects to 10. Use the language of:	Compare and order numbers from 0 up	compare and order numbers up to 1000 Base 10	order and compare numbers beyond 1 000	compare numbers to at least 1 000 000	compare numbers up to

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to compare two sets of objects.	equal to, more than, less than (fewer), most, least Counters Blank number strips Cubes	to 100; use <, > and = signs Place value Base 10	Place Value Charts (PYP) Arrow cards (PYP) Dice	Base 10 Number discs (BPYP) Place Value Charts (BPYP) Number lines Arrow cards (BPYP)	and determine the value of each digit Number cards Bar models Number lines	10 000 000 and determine the value of each digit Number cards
	Comparing Numbers to 10. Use the language of: equal to, more than, less than (fewer), most, least Cubes			compare numbers with the same number of decimal places up to two decimal places (copied from Fractions)		
	Comparing Numbers to 20. Use the language of: equal to, more than, less than (fewer), most, least Cubes					
IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Estimates how many objects they can see	identify and represent numbers using objects and	identify, represent and estimate numbers using	identify, represent and estimate numbers using	identify, represent and estimate numbers using		

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and checks by counting them.	pictorial representations including the number line	different representations, including the number line	different representations	different representations Number lines		
READING AND WRITING NUMBERS (including Roman Numerals)						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Recognises numerals 1 to 5.	read and write numbers from 1 to 20 in numerals and words.	read and write numbers to at least 100 in numerals and in words Teach discreetly	read and write numbers up to 1000 in numerals and in words Place Value charts (PYP) Part wholes (Partitioning) Arrows cards (PYP) Base 10 Objects	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	read and write, numbers to at least 1 000 000 and determine the value of each digit Number discs (OBPYP) Place Value Charts (OBPYP) Arrow cards (OBPYP)	Read and write, numbers up to 10 000 000 and determine the value of each digit Number discs (BROBPYP) Place Value Charts (BROBPYP) Arrow cards (BROBPYP)
			tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-	read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include		

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			hour and 24-hour clocks (copied from Measurement)	the concept of zero and place value. Number cards		
UNDERSTANDING PLACE VALUE						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Selects the correct numeral to represent 1 to 5, then 1 to 10 objects.		Recognise the place value of each digit in a two-digit number (tens, ones) Place value chart (PY) Base 10	recognise the place value of each digit in a three-digit number (hundreds, tens, ones) Base 10 Place Value Charts (PYP) Part Wholes (Partitioning) Arrow cards (PYP)	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) Base 10 Number discs (BPYP) Arrow cards (BPYP) Place value charts (BPYP) Number cards	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
				find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units,	recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and

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				tenths and hundredths (copied from Fractions)	(copied from Fractions)	1000 where the answers are up to three decimal places (copied from Fractions)
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ROUNDING						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
				round any number to the nearest 10, 100 or 1 000 Number lines	round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000 Number lines	round any whole number to a required degree of accuracy Number lines
				round decimals with one decimal place to the nearest whole number (copied from Fractions)	round decimals with two decimal places to the nearest whole number and to one decimal place (copied from Fractions)	solve problems which require answers to be rounded to specified degrees of accuracy (copied from Fractions)
PROBLEM SOLVING – Focus of ‘In focus’ tasks throughout the journey						
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		use place value and number facts to solve problems	solve number problems and practical problems involving these ideas.	solve number and practical problems that involve all of the above and with increasingly large positive numbers	solve number problems and practical problems that involve all of the above	solve number and practical problems that involve all of the above
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