Henleaze Junior School	Henleaze Junior School	Henleaze Junior School	Henleaze Junior School
Assessment Framework	**Assessment Framework**	**Assessment Framework**	**Assessment Framework**
Non-negotiable expectations	**Non-negotiable expectations**	**Non-negotiable expectations**	**Non-negotiable expectations**
Maths	**Maths**	**Maths**	**Maths**
By the end of Year 3 children should be able to	By the end of Year 4 children should be able to	By the end of Year 5 children should be able to	By the end of Year 6 children should be able to
Count	**Count**	**Count**	**Count**
Count from 0 in multiples of 50 and 100.	Count from a starting number in multiples of 1000.	Count forwards and backwards with positive and negative whole numbers through zero and interpret negative numbers in context.	
Find 10 or 100 more or less than a given number.	Count backwards through zero to include negative numbers.		
Represent numbers	**Represent numbers**	**Represent numbers**	**Represent numbers**
Recognise the place value of each digit in a three-digit number (hundreds, tens, ones).	Recognise the place value of each digit in a four-digit number.	Read and write numbers in 100,000s and to 2 decimal places and determine the value of each digit.	Demonstrate an understanding of place value, including large numbers (more than 6 digits) and decimals (at least 3 decimal places).
Order and compare	**Order and compare**	**Order and compare**	**Order and compare**
Compare and order numbers up to 1000 and place a number on a number line.	Order and compare numbers beyond 1,000.		
	Use the symbols =, <, >.		
Round numbers	**Round numbers**	**Round numbers**	**Round numbers**
	Round whole numbers, up to 10,000, to the nearest 10, 100 or 1,000.	Round any number up to 6 digits to the nearest 10, 100, 1000 , 10 000 and 100,000.	
Understand calculation	**Understand calculation**	**Understand calculation**	**Understand calculation**
Use understanding of place value and partitioning to double (up to 50) and halve (up to 100).			
Calculate mentally	**Calculate mentally**	**Calculate mentally**	**Calculate mentally**
Add or subtract a 1-digit number to or from any 2 or 3-digit number, using jottings if needed.	Multiply and divide by 10, 100, 1,000 to give an integer answer.	Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.	Calculate mentally, using efficient strategies such as manipulating expressions and using commutative and distributive properties to simplify the calculation.
Use written calculation	**Use written calculation**	**Use written calculation**	
Add any pair of 2-digit numbers, using formal or informal methods.	Use column addition to add 2 numbers up to 4 digits.	Add whole numbers with more than 4 digits and numbers with up to 2 decimal places using efficient methods.	
Subtract any pair of 2-digit numbers, using formal or informal methods.	Use column subtraction to subtract 2 numbers up to 4 digits.	Subtract whole numbers with more than 4 digits and numbers with up to 2 decimal places using efficient methods.	
Use written multiplication method for TO x O.	Use written multiplication method for HTO x O.	Multiply numbers up to 4 digits by a one- or two-digit number using a formal written long multiplication method.	
Divide 2-digit numbers by 1-digit numbers.	Divide 3-digit numbers by 1-digit numbers.	Divide numbers up to 4 digits by a one-digit number using formal written method of short division and interpret remainders appropriately for the context.	
Recall	**Recall**	**Recall**	
Apply multiplication and division facts for times tables 2,3,4,5,10.	Apply multiplication and division facts for times tables up to 12 x 12.	Identify multiples and factors, including all factor pairs of a number, and common factors of 2 numbers	
Solve calculation problems	**Solve calculation problems**	**Solve calculation problems**	**Solve calculation problems**
Solve one-step problems, including ordering, place value. missing number, measures, money and the 4 operations from the Year 3 curriculum.	Solve two-step problems involving ordering, place value, missing number and the 4 operations in context, deciding which methods to use.	Solve multi-step number and practical problems (including measure) involving addition, subtraction, multiplication and division, and combinations of these, using the Year 5 curriculum.	Use formal methods to solve multi-step problems.
			Substitute values into a simple formula to solve problems.
Understand fractions, decimals and percentages	**Understand fractions, decimals and percentages**	**Understand fractions, decimals and percentages**	**Understand fractions, decimals and percentages**
Find a fraction (1/2, 1/3, 1/4) of a discrete set of objects.	Visualise, describe and represent fractions of a shape.		Recognise the relationship between fractions, decimals and percentages and express them as equivalent quantities.
Recognise that fractions arise from dividing an object into equal parts.			
Use fractions, decimals and percentages as numbers	**Use fractions, decimals and percentages as numbers**	**Use fractions, decimals and percentages as numbers**	
Order fractions with the same denominator.	Compare and order fractions.	Use equivalents to compare and order fractions whose denominators are all multiples of the same number.	
	Add and subtract fractions with the same denominator.	Use equivalents to add and subtract fractions where denominators are part of the same family of numbers.	
	Convert fractions, decimals and percentages	**Convert fractions, decimals and percentages**	
	Recognise common equivalent fractions.	Use their knowledge of equivalent fractions to express fractions in their mixed or improper form.	
		Recognise and write decimal equivalents of any number of tenths or hundredths and 1/4; 1/2.	
		Solve fractions, decimals and percentages problems	**Solve fractions, decimals and percentages problems**
		Find a fraction of an amount.	Calculate using fractions, decimals or percentages.
Understand units of measure	**Understand units of measure**		
Know the number of minutes in an hour.	Convert simple units of measurement, eg 1m=100cm, 1/2Kg=500g.		
Use place value to convert between £ and p when handling money.			
Make measurements	**Make measurements**		**Solve measurement problems**
Estimate and read time using vocabulary such as o'clock, a.m./p.m.	Measure the perimeter of a rectilinear shape.		Calculate with measures.
Read scales to measure length in m, cm and mm; mass in kg and g; volume or capacity in l and ml.	Find the area of rectilinear shapes by counting squares or using multiplication.		Use mathematical reasoning to find missing angles.