



The Holy Family Catholic Primary School Maths Skills and Knowledge Progression



Counting						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Count verbally beyond 20. To count a group of objects up to 10. Sing and chant counting songs and rhymes.	Count to and across 100, forward and backwards from 0,1 or from any given number. Count, read and write numbers to 100: count in multiples of twos, fives and tens.	Count in steps of 2,3 and 5 from 0 and in tens from any given number, forward and backward,	Count from 0 in multiples of 4,8, 50 and 100: find 10 or 100 more or less than a given number.	Count in multiples of 6,7, 9, 25 and 1000 Find 1000 more or less than a given number. Count backwards through zero to include negative numbers.	Count forward or backwards in steps of powers of 10 for any given number. Interpret negative numbers: count forwards and backwards with positive and negative whole numbers, including through zero.	Use negative numbers in context. Calculate intervals across zero.

Place Value / Representing Number						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Subitise groups of numbers up to 10 Compare numbers up to 10 using more and less.	Read and write numbers from 1-20 in numerals and words. Identify and represent numbers using objects and pictorial representations.	Recognise the place value of each digit in a 2 digit number. Compare and order numbers from 0 to 100 using < > signs. Identify, represent and estimate numbers. Read and write numbers to 100 in	Recognise the place value of each digit in a three digit number. Compare and order numbers up to 1000 Identify, represent and estimate numbers.	Recognise the place value of each digit in a four digit number. Identify, represent and estimate numbers. Read Roman numerals to 100	Read, write, order and compare numbers up to 1000,000 Round any number to the nearest 10, 100, 1000, 10 000 Read Roman numerals to 1000	Read, write, order and compare numbers up to 10,000,000 Round any whole number.

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		numerals and words.	Read and write numbers to 1000 in numerals and words.		Recognise and use square numbers and cube numbers.	
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Addition and Subtraction						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Find 1 more / 1 less than a number using objects.</p> <p>Explore composition of all numbers to ten.</p> <p>Recall number bonds up to 5 and some to 10.</p>	<p>Represent and use number bonds and related subtraction facts within 20.</p> <p>Add and subtract 1 and 2 digit numbers to 20.</p>	<p>Add and subtract one and 2 digit numbers to 100. Show that addition of two numbers can be done in any order and subtraction of one number from another cannot.</p>	<p>Add and subtract numbers mentally, including HTU + U and YU + T and HTU + H</p> <p>Add and subtract numbers up to three digits, using formal written methods of column addition or subtraction.</p>	<p>Add and subtract numbers with up to 4 digits using formal written methods.</p> <p>Estimate and use inverse operation to check answers to a calculation.</p> <p>Solve addition and subtraction two - step problems.</p>	<p>Add and subtract numbers mentally with increasingly large numbers.</p> <p>Add and subtract numbers with more than 4 digits using formal methods.</p>	<p>Perform mental calculations with mixed operation with large numbers.</p>

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Multiplication / Division						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		Recall and use multiplication facts for 2,5 and 10 x tables and related division facts. Show multiplication of two numbers can be done in any order and division cannot.	Recall and use multiplication and division facts for the 3,4 and 8 x tables. To calculate 2 digit times one digit number multiplications using mental methods.,	To recall multiplication and division facts for multiplications table up to 12 x 12. Recognise and use factor pairs and commutativity in mental calculations. Multiply two and three digit numbers by a one digit number using formal written method.	Multiply and divide whole numbers by 10, 100 and 1000. Multiply and divide numbers up to 4 digits by a one or two digit number using formal methods.	Identify common factors, multiples and prime numbers. Multiply and divide up to 4 digits using long multiplication and division.



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Fractions, decimals						
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
To find double and half of 1 digit numbers.	Recognise and name a half and a quarter of an object, shape or quantity.	Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity.	Count up and down in tenths Compare and order unit fractions, and fractions with the same denominators. Recognise and show equivalent fractions. Write simple fractions for example $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.	Count up and down in hundredths. Recognise and show families of common equivalent fractions. Add and subtract fractions with the same denominator within one whole. Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ and any number of tenths or hundredths. Compare numbers with the same numbers of decimal places to two decimal places.	Recognise mixed number fractions and improper fractions and convert one form to the other. Compare and order fractions whose denominators are all multiples of the same number. Identify name and write equivalent fractions, including tenths and hundredths. Add and subtract fractions with the same denominator. Read, write, order and compare numbers with up to three decimal places.	Use common factors to simplify fractions. Compare and order fractions, including those < 1 Add and subtract fractions with different denominators Multiply simple pairs of common fractions, writing the answer in its simplest form. Divide proper fractions by whole numbers. Calculate decimal fraction equivalent for a simple fraction. Identify the value of each digit in numbers given to three decimal places.

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