Holy Family Catholic Primary School Y5 Maths Overview

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Number	Number	Fractions	Measurement	Geometry	Statistics
Number and Place Value	Addition and Subtraction	Fractions, decimals and		Properties of shapes	
Addition and Subtraction	Multiplication and	percentages		Position and direction	
	Division	p =			
Read, write, order and compare	Solve addition and subtraction	Compare and order fractions	Convert between different	Identify 3-D shapes, including	Solve comparison, sum and
numbers to at least 1 000 000	multi-step problems in	whose denominators are all	units of metric measure (for	cubes and other cuboids, from	difference problems using
and determine the value of	contexts, deciding which	multiples of the same number	example, kilometre and metre;	2-D representations	information presented in a line
each digit	operations and methods to use and why	Identify, name and write	centimetre and metre; centimetre and millimetre:	Know angles are measured in	graph
Count forwards or backwards in	and why	equivalent fractions of a given	gram and kilogram; litre and	degrees: estimate and compare	Complete, read and interpret
steps of powers of 10 for any	Identify multiples and factors,	fraction, represented visually,	millilitre)	acute, obtuse and reflex angles	information in tables, including
given number up to 1 000 000	including finding all factor pairs	including tenths and	,		timetables.
	of a number, and common	hundredths	Understand and use	Draw given angles, and measure	
Interpret negative numbers in	factors of two numbers		approximate equivalences	them in degrees (°)	
context, count forwards and		Recognise mixed numbers and	between metric units and		
backwards with positive and	Know and use the vocabulary of	improper fractions and convert	common imperial units such as	Identify:	
negative whole numbers,	prime numbers, prime factors and composite (non-prime)	from one form to the other and write mathematical statements	inches, pounds and pints	-angles at a point and one whole turn (total 360°)	
including through zero	numbers	> 1 as a mixed number	Measure and calculate the	angles at a point on a straight	
Round any number up to 1 000	number 3	(for example, $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$)	perimeter of composite	line and $\frac{1}{2}$ a turn (total 180°)	
000 to the nearest 10, 100,	Establish whether a number up	(for example, s is s is)	rectilinear shapes in	-other multiples of 90°	
1000. 10000, 100 000	to 100 is prime and recall prime	Add and subtract fractions	centimetres and metres	Times mampies of ye	
	numbers up to 19	with the same denominator and		Use the properties of	
Read Roman numerals to 1000		denominators that are	Calculate and compare the area	rectangles to deduce related	
(M) and recognise years	Multiply numbers up to 4 digits	multiples of the same number	of rectangles (including	facts and find missing lengths	
written in Roman numerals	by a one- or two-digit number using a formal written method,		squares), and including using standard units, square	and angles	
Add and subtract whole	including long multiplication for	Multiply proper fractions and		Nightinguigh hatusan magulan	
numbers with more than 4	two- digit numbers	mixed numbers by whole numbers, supported by	centimetres (cm ²) and square	Distinguish between regular and irregular polygons based on	
digits, including using formal	g	materials and diagrams	metres (m ²) and estimate the	reasoning about equal sides and	
written methods (columnar	Multiply and divide numbers	marerials and araginants	area of irregular shapes	angles	
addition and subtraction)	mentally drawing upon known	Read and write decimal	Estimate volume [for example,		
	facts	numbers as fractions	using 1 cm ³ blocks to build	identify, describe and	
Add and subtract numbers	Divide numbers up to 4 digits	[for example, 0.71 = $\frac{71}{100}$)	cuboids (including cubes)] and	represent the position of a	
mentally with increasingly large numbers	Divide numbers up to 4 digits by a one-digit number using the		capacity [for example, using	shape following a reflection or	
numbers	formal written method of short	Recognise and use thousandths	water]	translation, using the	
Solve number problems and	division and interpret	and relate them to tenths,	_	appropriate language, and know that the shape has not	
practical problems that relate	remainders appropriately for	hundredths and decimal equivalents		changed.	
to all of the above (number and	the context	equivalents		.5	
place value)		Round decimals with two			
	Multiply and divide whole	decimal places to the nearest			
Use rounding to check answers	numbers and those involving	whole number and to one			
to calculations and determine, in the context of a problem,	decimals by 10, 100 and 1000	decimal place			
levels of accuracy					

Solve addition and subtraction multi-step problems in contexts, deciding which	Recognise and use square numbers and cube numbers, and the notation for squared (2)	Read, write, order and compare numbers with up to three decimal places		
operations and methods to use and why	and cubed (³)	Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal		

Continuous objectives:

Solve number problems and practical problems that relate to all of the above (number and place value)

Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy

Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Solve problems involving number up to three decimal places

Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes

Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign

Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.

Solve problems involving converting between units of time

Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.