Mathematics at St Augustine's Catholic Primary School



Year 2 End Points

Number – number and place value	Number – addition and subtraction	Number – multiplication and division	Number – fractions	Measurement	Geometry – properties of shapes	Geometry – position and direction	Statistics
Pupils will be ab	ole to:						
count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward recognise the place value of each digit in a two-digit number (tens, ones) identify, represent and estimate numbers using different representations, including:	solve problems with addition and subtraction: - using concrete objects and pictorial representations, including those involving numbers, quantities and measures - applying their increasing knowledge of mental and written methods	recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs	recognise, find, name and write fractions $\frac{1}{3}\frac{1}{2}\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{1}{4}$ and $\frac{1}{2}$.	choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels compare and order lengths, mass, volume/capacity and	identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces identify 2-D shapes on the surface of 3-D	order and arrange combinations of mathematical objects in patterns and sequences use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between	interpret and construct simple pictograms, tally charts, block diagrams and simple tables ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity ask and answer questions about totalling and

- the number line	recall and use	show that	record the results	shapes, [for	rotation as a	comparing
	addition and	multiplication of two	using >, < and =	example, a circle	turn and in	categorical data.
compare and order	subtraction facts to	numbers can be done		on a cylinder and	terms of right	
numbers from 0 up	20 fluently, and	in any order	recognise and use	a triangle on a	angles for	
to 100; use <, > and	derive and use	(commutative) and	symbols for pounds	pyramid]	quarter, half and	
= signs	related facts up to	division of one	(£) and pence (p);		three-quarter	
	100	number by another	combine amounts to	compare and sort	turns (clockwise	
read and write		cannot	make a particular	common 2-D and	and anti-	
numbers to at least	add and subtract		value	3-D shapes and	clockwise).	
100 in numerals	numbers using	solve problems		everyday objects.		
and in words	concrete objects,	involving	find different			
	pictorial	multiplication and	combinations of			
use place value and	representations,	division, using	coins that equal the			
number facts to	and mentally,	materials, arrays,	same amounts of			
solve problems.	including:	repeated addition,	money			
		mental methods, and				
	- a two-digit	multiplication and	solve simple			
	number and ones	division facts,	problems in a			
	- a two-digit	including problems in	practical context			
	number and tens	contexts.	involving addition			
	- two two-digit		and subtraction of			
	numbers		money of the same			
	- adding three one-		unit, including giving			
	digit numbers		change			
	show that addition		compare and			
	of two numbers		sequence intervals of			
	can be done in any		time			
	order					
	(commutative) and		tell and write the			
	subtraction of one		time to five minutes,			
	number from		including quarter			
	another cannot		past/to the hour and			
			draw the hands on a			
	recognise and use		clock face to show			
	the inverse		these times			
	relationship					
	between addition					

	and subtraction			know the number of			
	and use this to			minutes in an hour			
	check calculations			and the number of			
	and solve missing			hours in a day.			
	number problems.			induis in a day.			
	mamber problems.						
Notes and guida	nce (non-statuto	ry)					
Using materials	Pupils extend their	Pupils use a variety of	Pupils use	Pupils use standard	Pupils handle and	Pupils should	Pupils record,
and a range of	understanding of	language to describe	fractions as	units of	name a wide	work with	interpret, collate,
representations,	the language of	multiplication and	'fractions of'	measurement with	variety of	patterns of	organise and
pupils practise	addition and	division.	discrete and	increasing accuracy,	common 2-D and	shapes,	compare
counting, reading,	subtraction to		continuous	using their	3-D shapes	including those	information (for
writing and	include sum and	Pupils are introduced	quantities by	knowledge of the	including:	in different	example, using
comparing	difference.	to the multiplication	solving	number system.	quadrilaterals and	orientations.	many-to-one
numbers to at least		tables. They practise	problems using	They use the	polygons, and		correspondence
100 and solving a	Pupils practise	to become fluent in	shapes, objects	appropriate	cuboids, prisms	Pupils use the	in pictograms
variety of related	addition and	the 2, 5 and 10	and quantities.	language and record	and cones, and	concept and	with simple ratios
problems to	subtraction to 20 to	multiplication tables	They connect	using standard	identify the	language of	2, 5, 10).
develop fluency.	become	and connect them to	unit fractions to	abbreviations.	properties of	angles to	
They count in	increasingly fluent	each other. They	equal sharing		each shape (for	describe 'turn'	
multiples of three	in deriving facts	connect the 10	and grouping,	Comparing measures	example, number	by applying	
to support their	such as using 3 + 7	multiplication table to	to numbers	includes simple	of sides, number	rotations,	
later understanding	= 10; 10 - 7 = 3 and	place value, and the 5	when they can	multiples such as	of faces). Pupils	including in	
of a third.	7 = 10 - 3 to	multiplication table to	be calculated,	'half as high'; 'twice	identify, compare	practical	
	calculate	the divisions on the	and to	as wide'. They	and sort shapes	contexts (for	
As they become	30 + 70 = 100; 100	clock face. They begin	measures,	become fluent in	on the basis of	example, pupils	
more confident	– 70 = 30 and 70 =	to use other		telling the time on	their properties	themselves	
with numbers up to	100 – 30. They	multiplication tables	finding	analogue clocks and	and use	moving in turns,	
100, pupils are	check their	and recall	fractions of	recording it.	vocabulary	giving	
introduced to	calculations,	multiplication facts,	lengths,		precisely, such as	instructions to	
larger numbers to	including by adding	including using	quantities, sets	Pupils become fluent	sides, edges,	other pupils to	
develop further	to check	related division facts	of objects or	in counting and	vertices and	do so, and	
their recognition of	subtraction and	to perform written	shapes. They	recognising coins.	faces.	programming	
patterns within the	adding numbers in	and mental	meet $\frac{3}{4}$ as the	They read and say		robots using	
number system	a different order to	calculations.	first example of	amounts of money	Pupils read and	instructions	
and represent	check addition (for			confidently and use	write names for		
them in different	example, 5 + 2 + 1 =			the symbols £ and p	shapes that are		

ways, including	1+5+2=1+2+	Pupils work with a	a non-unit	accurately, recording	appropriate for	given in right	
spatial	5). This establishes	range of materials	fraction.	pounds and pence	their word	angles).	
representations.	commutativity and	and contexts in which		separately.	reading and		
	associativity of	multiplication and	Pupils should		spelling.		
Pupils should	addition.	division relate to	count in				
partition numbers		grouping and sharing	fractions up to		Pupils draw lines		
in different ways	Recording addition	discrete and	10, starting		and shapes using		
(for example, 23 =	and subtraction in	continuous quantities,	from any		a straight edge.		
20 + 3 and	columns supports	to arrays and to	number and				
23 = 10 + 13) to	place value and	repeated addition.	using the $\frac{1}{3}$ and				
support	prepares for formal	They begin to relate					
subtraction. They	written methods	these to fractions and	² / ₄ equivalence				
become fluent and	with larger	measures (for	4				
apply their	numbers.	example, $40 \div 2 = 20$,	on the number				
knowledge of		20 is a half of 40).	line				
numbers to reason		They use					
with, discuss and		commutativity and	This reinforces				
solve problems		inverse relations to	the concept of				
that emphasise the		develop multiplicative	fractions as				
value of each digit		reasoning (for	numbers and				
in two-digit		example, $4 \times 5 = 20$	that they can				
numbers. They		and $20 \div 5 = 4$).	add up to more				
begin to			than one.				
understand zero as							
a place holder.							