





## St John Vianney Catholic Primary School

'Achieving Together in Faith'

Number and	Addition and	Multiplication and	Fractions	Geometry	Geometry – Statistics	Measurement
Place Value	Subtraction	Division		(including Position and Direction)	Geometry process	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
I can count in steps of 6, 7, 9,25 and 1000.	I can add numbers with up to four-digit using written methods.	I can recall multiplication and division facts for multiplication tables up to 12 x 12.	I can recognise and show, using diagrams, families of common equivalent fractions.	I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	I can interpret and present data using bar charts.	I can convert between different units of measure [for example, kilometre to metre; hour to minute].
I can count backwards through zero to include negative numbers.	I can subtract numbers with up to four digits using written methods.	I can use place value, known and derived facts to multiply mentally.	I can count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.	I can compare and order angles up to two right angles, by size.	I can interpret and present data using line graphs.	I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
I can recognise the place value of each digit in a four- digit number.	I can solve mental calculations with increasingly large numbers.	I can use place value, known and derived facts to divide mentally.	I can solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.	I can identify acute and obtuse angles.	I can solve 'sum' problems using information presented in charts.	I can find the area of rectilinear shapes by counting squares.
I can round any number to the nearest 10. 100 or 1000.	I can solve addition two- step problems, deciding methods to use.	I can recognise and use factor pairs in mental calculations.	I can recognise and write decimal equivalents of any number of tenths or hundredths. I can recognise and write decimal equivalents to 1/4, 1/2, 3/4.	I can identify lines of symmetry in 2-D shape in different orientations.	I can use a range of scales when interpreting and presenting data.	I can estimate, compare and calculate different measures, including money in pounds and pence.
I can find 100 more or less than a given number.	I can solve subtraction two- step problems, deciding methods to use.	I can multiply three numbers together.	I can add and subtract fractions with the same denominator.	I can complete a simple symmetric figure.	I can solve 'comparison' problems using information presented in charts.	I can read, write and convert time between anologue and digital 12- and 24-hour clocks.
I can order and compare numbers beyond 1000.	I can estimate to check answers to calculations.	I can multiply two-digit numbers by a one-digit number.	I can 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 ones, tenths and hundredths.	I can describe position on a 2-D grid as co-ordinates in the first quadrant.		I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.





Number and

Place Value

I can identify, represent and

I can solve number and

practical problems using

place value and all of the

increasingly large positive

Numerals to 100 (I to C)

and know that over time,

concept of zero and place

above, which include

I can read Roman

the numeral system changed to include the

numbers.

value.

estimate numbers.

## St John Vianney Catholic Primary School

Addition and

Subtraction

I can use inverses to check

answers to calculations.

Multiplication and

Division

I can multiply three-digit

numbers by a one-digit

I can solve problems

involving multiplying and

number.

dividing.

'Acł	nieving Together in Faith'	
	Geometry – Statistics	

Geometry

(including Position and

Direction)

I can translate shapes.

I can plot points and draw

sides to complete a

polygon.

Measurement	ν

## End of Lower Key Stage 2 Outcomes

The principal focus of mathematics teaching in lower key stage 2 is to ensure that pupils become increasingly fluent with whole numbers and the 4 operations, including number facts and the concept of place value. This should ensure that pupils develop efficient written and mental methods and perform calculations accurately with increasingly large whole numbers.

Fractions

I can round decimals with

one decimal place to the

I can compare numbers

with the same number of

decimal places up to two

I can solve simple measure

and money problems

places.

involving fractions and decimals to two decimal

decimal places.

nearest whole number.

At this stage, pupils should develop their ability to solve a range of problems, including with simple fractions and decimal place value. Teaching should also ensure that pupils draw with increasing accuracy and develop mathematical reasoning so they can analyse shapes and their properties, and confidently describe the relationships between them. It should ensure that they can use measuring instruments with accuracy and make connections between measure and number.

By the end of year 4, pupils should have memorised their multiplication tables up to and including the x12 multiplication table and show precision and fluency in their work.

Pupils should read and spell mathematical vocabulary correctly and confidently, using their growing word-reading knowledge and their knowledge of spelling.