



Year 2 Sticky Knowledge

The sticky knowledge is generally the essential elements and 'basics' of Maths that is crucial for children's mathematical learning and progression. Of course, all areas of Maths are important and valuable but a focus on the 'basics' can help to advance and secure their learning across this subject.

Number Facts:

Knowledge of number facts and a fluency in using them is a vital part of Maths for each year group. Rapid recall of number facts can provide the basic knowledge required for most aspects of primary mathematics, including mental and written calculations, fractions, decimals and percentages and problem solving. Number facts learned in Maths can also be transferred to many other subjects across the curriculum and in 'real life' situations.

At Church Vale Primary we **strongly** believe that knowing and using number facts can help support children's understanding and progression in Maths.

The Non negotiables for **Year 2** are as follows:

- Read, write and order numbers (using $<$, $>$ and $=$ symbol) to 100
- Count on and back in twos, fives and tens from any number
- Know the value of digits in a 2 digit number as tens and ones, understanding that ten ones make up one ten
- Quick recall of multiplication facts for 2x, 5x and 10x table
- Know by heart addition and subtraction facts to 20 & use all bonds to 10
- Calculate TO + TO (with an understanding to the formal method)
- Tell the time to half and quarter hour
- Find different combinations of coins that equal the same amounts of money.
- Find simple fractions ($\frac{1}{2}$, $\frac{1}{4}$) of shapes and amounts

Year 2 Vocabulary



Number – number and place value	
<u>Number</u> One hundred / two hundred... one thousand Count in threes, fours Tally Sequence Continue Predict Rule Greater than > Less than <	<u>Place Value</u> Hundreds one-, two- or three-digit number place Place value Stands for Represents Exchange the same number Twenty-first, twenty-second ... Exact Exactly
Number – addition and subtraction	
<u>Addition</u> Commutative One hundred more Tens boundary Column Exchange	<u>Subtraction</u> One hundred less Tens boundary Column
Number – multiplication and division	
<u>Multiplication</u> Groups of Times Once, twice, three times ... ten times Repeated addition Fact Times table	<u>Division</u> Divide / divided by / divided into
Number – fractions	
Equivalent fraction Mixed number Numerator Denominator	To know $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{3}{4}$

Two halves	
Two quarters	
Three quarters	
Third / two thirds	
Measurement	
Measuring scale	Fortnight
Tape measure	5, 10, 15 minutes past
	Digital/analogue
Furthest	Clock/watch
	Timer
Gram	Seconds
Mililitre	
	Brought
Temperature	Sold
Degree	
Geometry – properties of shapes and position and direction	
Surface	Route
Line Symmetry	Higher / lower
Rectangular	Clockwise / anti-clockwise
Circular	Right angle
Triangular	Straight line
Pentagon	Quarter / half / three quarter tuns
Hexagon	
Octagon	
Irregular	
Statistics	
Tally	
Graph	
Block graph	
Pictogram	
Represent	
Least popular / least common	
Most popular / most common	
Label / title	
General	

Show how you...

Investigate

Describe the rule

Describe the pattern

Explain your method