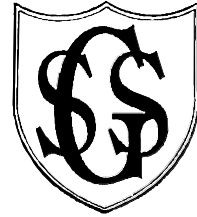




Numeracy



Advanced Multiplicative Part/Whole

I am learning these key pieces of number knowledge...

Order decimals up to 3 places e.g. 6.25, 6.3

Order fractions including halves, thirds, quarters, fifths and tenths

Count forwards and backwards in thousandths (0.001), hundredths (0.01), tenths (0.1), ones and tens

Recall fraction to decimal to percentage conversions for halves, thirds, quarters, fifths and tenths e.g. $\frac{3}{4} = 0.75 = 75\%$

Know equivalent fractions for halves, thirds, quarter and fifths and tenths with denominators up to 100 and 1000 e.g. 1 in 4 = 25 in 100 or 250 in 1000

Say number 0.001, 0.01, 0.1, 1, 10 before and after any whole number

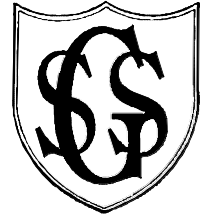
Round whole numbers and decimals to the nearest 1 or 1/10 e.g. 6.49 to 6.5 (nearest tenth)

Recall multiplication and division basic facts up to 10 times table e.g. $72 \div 8$

Know groupings of 10, 100, and 1000, made from a number of up to 7 digits e.g. in 47,562 there are 475 hundreds and 47 thousands



Numeracy



More Advanced Multiplicative Part/Whole Number Knowledge

Identify factors of numbers to 100 including prime numbers, e.g factors of 36 = {1,2,3,4,6,9,12,18,36}

Use column addition and subtraction for whole numbers

Know common multiples of numbers to 10, e.g. 35, 70,105... are common multiples of 5 and 7

Use an algorithm for short multiplication and division of a 3 digit whole number by a single digit, e.g.

$$\begin{array}{r} 784 \\ 52 \\ \hline 7 \overline{) 5488} \end{array} \qquad \begin{array}{r} 473 \\ \times 8 \\ \hline 3784 \end{array}$$

Know the rules for divisibility for 2, 3, 5, 9 and 10 e.g. 471 is divisible by 3 because $4 + 7 + 1 = 12$ and 12 is divisible by 3

Record results of calculations using equations and diagrams, e.g.
 $6 \times 28 = 168$ (and shown on empty number line)

Know division facts and remainders in numbers to 100, e.g. How many 6s in 38 $\rightarrow 6 \times 6 = 36$ with 2 remainder

Know square and square root of numbers to 100