



# KS2 NUMBER FACTS

<b>Year 5</b>	Add and subtract whole numbers with more than 4 digits using formal written column methods
	Multiply numbers up to 4 digits by a 1- or 2-digit number using long multiplication
	Divide numbers up to 4 digits by a 1-digit number using short division
	Multiply proper fractions and mixed numbers by whole numbers
	Multiply and divide whole numbers and decimals by 10, 100 and 1000
<b>Year 6</b>	Multiply multi-digit numbers up to 4 digits by a two-digit whole number using long multiplication
	Multiply 1-digit numbers with up to 2 decimal places by whole numbers
	Divide numbers up to 4 digits by a two-digit whole number using long division or short division,
	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
	Use written division methods in cases where the answer has up to two decimal places
	Multiply simple pairs of proper fractions, writing the answer in its simplest form
	Divide proper fractions by whole numbers

<b>Year 3</b>	Read and write numbers to at least 1000 in numbers & words
	Recognise the place value (partitioning) of each digit in a 3-digit number
	Count from 0 in multiples of 4, 8, 50 and 100
	Compare and order numbers up to 1000 using $<$ , $>$ and $=$
	Find 10 or 100 more or less than a given number
	Estimate the answer to a Calculation
	Count up and down in tenths
	Compare and order unit fractions and fractions with the same denominator
	Know 4, 6 and 8 times tables
<b>Year 4</b>	Count in multiples of 6, 7, 9, 25 and 1000
	Count backwards through 0 to include negative numbers
	Round any number to nearest 10, 100 or 1000
	Recognise and write decimal equivalents to $\frac{1}{4}$ ; $\frac{1}{2}$ ; $\frac{3}{4}$

# KS2 WRITTEN METHODS

<b>Year 4</b>	Round decimals with one decimal place to the nearest whole number
	Compare numbers with the same number of decimal places up to 2 decimal places
	Recall multiplication and division facts for tables up to 12 x 12
<b>Year 5</b>	Read, order and compare numbers to at least 10,000,000 and determine the value of each digit
	Read, write, order and compare numbers with up to 3 decimal places
	Count forwards or backwards in steps of powers of 10
	Establish whether a number up to 100 is prime and recall prime numbers up to 19
	Identify factors, including finding all factor pairs of a number
	Recognise and use square numbers ( <sup>2</sup> ) & cube numbers ( <sup>3</sup> )
	Recognise mixed numbers and improper fractions and convert from one to the other
	Write percentages as a fraction with denominator hundred and as a decimal fraction
	Read and write decimal numbers as fractions
	Perform mental calculations with mixed operations & large numbers
<b>Year 6</b>	Round any whole number to a required degree of accuracy
	Identify common factors, common multiples and prime numbers
	Compare and order fractions including fractions >1
	Recall & use equivalences between simple fractions, decimals and percentages in different contexts
	Identify the value of each digit in numbers given to 3 decimal places

<b>Year 3</b>	Add and subtract numbers with up to three digits, using formal written column methods
	Use formal written methods to solve multiplication & division calculations
	Add and subtract fractions with the same denominator within one whole
	Use inverse operations to check answers
	Find and write unit and non-unit fractions of a discrete set of objects
	Show, using diagrams, equivalent fractions with small denominators
	Add and subtract numbers with up to 4 digits using formal written column methods
<b>Year 4</b>	Use inverse operations to check answers
	Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written methods
	Use harder fractions to calculate quantities and to divide quantities