

Year 1

Fluency Focus:

Numbers up to 100 through a wide variety of models and representations

- **counts to and across 100, forward and backwards, beginning with 0 or 1, or from any given number**
- **counts, reads and writes numbers to 100 in numerals and numbers 1-20 in words pupils practise counting (1, 2, 3..), ordering (for example, first, second, third), or to indicate a quantity (for example, 3 apples, 2 centimetres)**
- **finds one more and one less**
- **counts in multiples of twos, fives and tens**
- **identifies and represents numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least**
- **recognises and names half as one of two equal parts and a quarter as one of four equal parts of an object, shape or quantity**

Year 2

Fluency focus:

Numbers with up to and beyond 3 digits (read and write numbers up to at least 100 in numerals and words)

- **counts in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward**
- **counts in fractions up to 10, starting from any number, using the $\frac{1}{2}$ and equivalents on the number line (e.g. 1, 1 (or $1\frac{1}{2}$), 1, 2)**
- **reads and writes numbers to at least 100 in numerals and in words**
- **compares and orders numbers from 0 up to 100; use $<$, $>$ and $=$ signs**
- **recognises the place value of each digit in a two-digit number (tens, ones)**
- **identifies, represents and estimates numbers using different representations, including the number line**
- **uses place value and number facts to solve problems**
- **recognises, finds, names and writes fractions $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$ and of a length, shape, set of objects or quantity**

Year 3

Fluency Focus: Numbers with up to at least 3 digits (whole numbers and decimals with up to 1 dp) through a wide variety of models and representations

counts from 0 in multiples of 4, 8, 50 and 100

- up and down in tenths; recognising that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10

- **reads, writes, compares and orders numbers up to 1000 in numerals and words**
- **recognises the place value of each digit in a three-digit number (hundreds, tens, ones)**
- **finds 10 or 100 more or less than a given number**
- **identifies, represents and estimates numbers using different representations including those related to measure**
- **solves number problems and practical problems within the context of the fluency focus**
- **understands unit fractions and non-unit fractions with small denominators:**
 - **recognises, finds, writes and uses**
- **fractions of a discrete set of objects**
 - **recognises and shows, using diagrams, equivalent fractions e.g. on a number line and deduces relationships between them such as size and equivalence going beyond the [0,1] interval, including relating to measure**
- **compares and orders unit fractions and fractions**

Year 4

Fluency focus:

Numbers up to and including 4 digits (whole numbers and decimal numbers with up to 2 decimal places) through a wide variety of models and representations

- **identifies, represents and estimates numbers using different representations**
- **counts fluently forwards and backwards to include:**
 - **multiples of 6, 7, 9, 25 and 1000**
 - **through zero to include negative numbers**
 - **in hundredths**
 - **intervals of 10, 100 and 1000 from a given number**
 - **recognises the place value of each digit and uses this when ordering and comparing numbers:**
 - **beyond 1000 and when finding 1000 more than a given number**
 - **with the same number of decimal places up to two decimal places**
 - **understanding the value of zero as a place holder**
 - **rounds any number to the nearest 10, 100 or 1000 and decimals with one decimal place to the nearest whole number**
 - **recognises that hundredths arise when dividing an object by a hundred and dividing tenths by ten**
 - **recognises and shows, using diagrams, families of common equivalent fractions**
 - **reads Roman numerals to 100 (I to C)**
 - **solves number problems and practical problems within the context of the fluency focus**

Year 5

Fluency Focus:

Numbers up to 1 million (whole numbers and decimal with up to 3 decimal places) through a wide variety of models and representations

Number and place value

- **understands and applies the knowledge of place value e.g. reads, writes, orders, compares, estimates, multiplies and divides numbers by 10, 100 and 1000 up to 1 000 000 and to 3 decimal places and as fractions**
- **rounds decimals with two decimal places to the nearest whole number and to one decimal place and any whole number up to 1,000,000 to the nearest 10, 100, 1000, 10,000, and 100,000**
- **counts fluently forwards and backwards to include:**
 - **powers of 10 from any given number up to 1,000,000**
 - **including through zero and interprets negative numbers in context**
 - **reads Roman numerals to 1000 (M) and recognises years written in Roman numerals**
 - **recognises and converts mixed numbers, improper fractions and recognises and uses thousandths and relates to tenths, hundredths and decimal equivalents**
 - **compares and orders fractions whose denominators are all multiples of the same number**
 - **identifies equivalent fractions of a given fraction represented visually**
 - **recognises and shows approximate proportions of a whole and use unit and non-unit fractions, decimals and percentages to describe these,**

e.g. recognises simple equivalence between fractions, decimals and percentages of any number; $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{2}{5}$ $\frac{4}{5}$ and those with a denominator of a multiple of 10 or 25

- **solves number problems and practical problems within the context of the fluency focus**

Year 6

Fluency Focus

Numbers up to 10 million (whole numbers, negative numbers and decimals with up to 3 decimal places) through a wide variety of models and representations

Number and place value

- **reads, writes, orders and compares numbers within the fluency focus:**
- **uses this knowledge to develop their skills of rounding to any degree of accuracy, estimating, predicting and checking the reasonableness of answers**
- **identifies the value of each digit in numbers to 10 000 000 and numbers with up to 3 decimal places and multiplies and divides by 10, 100 and 1000, giving answers to three decimal places**
- **compares and orders fractions, including fractions >1**
- **recognises, describes and uses number patterns and relationships to make generalisations about sequences within the whole number system**
- **uses negative numbers in context, and calculates intervals across zero**
- **uses common multiples to express fractions in the same denomination**
- **recalls and uses equivalences between simple fractions, decimals and percentages including in different contexts**
- **solves number problems and practical problems within the context of the fluency focus**