



FERNDALE PRIMARY
SCHOOL

Stage 3 -Number Programme of Study Objectives

Comment

Number – Number and place value

Count in multiples of 4, 8, 50 and 100

Identify 10 or 100 more or less than a given number

Identify, represent and estimate numbers using different representations (up to 1000)

Read and write numbers to numbers to at least 1000 in numerals and words

Compare and order numbers up to 1000 using $>$, $<$ and $=$

Recognise the place value of each digit in a 3 digit number

Partition numbers differently. Eg $46 = 40 + 6$ or $30 + 16$ or $20 + 26$

Round numbers to the nearest 10 and 100

Number - Addition and Subtraction

Children should use varied language of all four operations

Add and subtract numbers mentally including $HTU \pm Us$, $HTU \pm Tens$ and $HTU \pm Hundreds$

Add and subtract numbers with up to 3 digits efficiently (written)

Solve missing number problems beyond 100 (mentally)

Estimate answers and use the inverse to check calculations

Number – Multiplication and Division

Recall and use \times/\div facts for the 3, 4, $8\times$ tables

Connect 2, 4, $8\times$ tables through doubling

Write mathematical statements for \times and \div using tables they know including $TU \times U$

Use place value, known and derived facts to \times and \div

Develop mental \times and \div strategies

Develop reliable written methods for \times/\div beginning with $TU \times U$ (see written methods policy)

Develop strategies to find all possibilities

\times and \div mentally by 10, 100 and 1000

Number – Fractions (including decimals)

Recognise, write and find fractions of objects and numbers where the fraction has a small denominator

Compare and order unit fractions with the same denominator

Recognise and show (using diagrams) equivalent fractions with small denominators

Know that tenths arise by \div by 10

Recognise the relationship between denominator and operator

Count forwards and backwards in tenths

Add and subtract fractions with the same denominator e.g. $5/7 + 1/7 = 6/7$