

standard

Pupils working at the **expected standard** in Y4 demonstrate varied fluency and reasoning skills and can:

NUMBER & PLACE VALUE

read, write, order, partition and compare numbers including 100,000s and determine the value of each digit.

round any number up to 100,000 to the nearest 10, 100, 1000 or 10,000.

mentally count in steps of 25 and 1000 including going through boundaries of tens, hundreds and thousands (e.g. count from 874 in thousands or count in 25s from 150).

count up and down in tenths and hundredths; recognise that tenths and hundredths arise from dividing an object into 10 or 100 equal parts.

round numbers with 1 decimal place to the nearest whole number.

read, write, order and compare numbers with up to 2 decimal places.

count forwards and backwards through zero in ones.

FOUR OPERATIONS

use formal column addition and subtraction to solve questions involving numbers up to 5-digits.

add and subtract numbers mentally with 2 and 3-digit numbers.

solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

recognise and use factor pairs and commutativity in mental calculations.

recall multiplication and division facts for tables up to 12x12 (in 6 secs).

use formal short multiplication to solve questions including 4-digit by 1-digit.

use formal short division to solve questions involving 4-digit by 1-digit, including remainders as whole numbers.

demonstrate efficiency in calculation through drawing on known number facts, pattern spotting and identifying relationships (e.g for $600 \div 3$, pupil can draw upon $2 \times 3 = 6$).

multiply whole numbers, and those involving decimals, by 10 and 100.

FRACTIONS, DECIMALS & PERCENTAGES

calculate equivalent fractions by multiplying and dividing the numerator and denominator by the same number.

compare and order fractions with denominators which have obvious common multiples e.g. $\frac{2}{3}$, $\frac{5}{6}$, $\frac{11}{18}$

add and subtract fractions with the same denominator (with the total exceeding one whole), giving the answer in its simplest form.

add and subtract fractions with different denominators (up to tenths) that are multiples of the same number.

find a fraction of an amount by dividing by the denominator and multiplying by the numerator.

recall decimal and percentage equivalents for $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$.

Pupils working at **greater depth** within the expected standard in Y4 can:

master all Y4 expected standard objectives.

consistently and confidently reason and problem solve to answer complex and abstract questions (that span a range of strands and contexts) through applying skills such as visualising, working systematically, justifying, conjecturing and thinking logically.