Clifton Hill School

Happiness | Curiosity | Confidence
Ambition | Companionship

Year 3

Addition and subtraction
Add and subtract numbers mentally, including: a two digit number and ones; a two-digit number and tens; adding three one-digit numbers
Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
Estimate the answer to a calculation and use inverse operations to check answers
Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
Fractions and decimals
Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators
Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
Count up and down in tenths
Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
Recognise and show, using diagrams, equivalent fractions with small denominators
Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7]
Compare and order unit fractions, and fractions with the same denominators
Solve problems that involve all of the above
Measurement
Measurement
Measure, compare, add and subtract: lengths (m/cm/mm)
Measure the perimeter of simple 2-D shapes
Continue to measure using the appropriate tools and units, progressing to using a wider range of measures , including comparing and using mixed and simple equivalents of mixed units (for example, 5n = 500cm) (non-statutory)
Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Continue to measure using the appropriate tools and units, progressing to using a wider range of measures , including comparing and using mixed and simple equivalents of mixed units (for example, 1 kg and 200g) and simple equivalents of mixed units (for example, 5m = 500cm) (non-statutory)

Multiplication and division

Recall and use the multiplication and division facts for the 3, 4 and 8 multiplication tables

Count from zero in multiples of 4

Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

Practice their mental recall of multiplication tables when they are calculating mathematical statements in order to improve fluency. Through doubling, they connect the 2, 4 and 8 multiplication tables

Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

Number and place value

Compare and order numbers (up to 100)

Find 10 more or less than a given number (Do Now's and transitions)

Identify, represent and estimate numbers using different representations, including the number line

Solve number problems and practical problems involving these ideas

Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Add and subtract amounts of money to give change, using both £ and p in practical contexts

Find 10 and 100 more or less than a given number

Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)

Compare and order numbers up to 1000

Read and write numbers up to 1000 in numerals and in words

Count from 0 in multiples of 50 and 100

Add and subtract numbers mentally

Properties of shape and patterns

Recognise angles as a property of shape or a description of a turn

Identify horizontal and vertical lines and pairs of perpendicular and parallel lines

Draw 2-D shapes and make 3-D shapes using modelling materials

Recognise 3-D shapes in different orientations and describe them

Measure the perimeter of simple 2-D shapes

Maths- Statistics

Interpret and present data using bar charts, pictograms and tables

Solve one-step and two- step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables

Time

Tell and write the time using 12-hour analogue and digital clocks, including using Roman numerals from I to XII

Estimate and read time with increasing accuracy to the nearest minute

Record and compare time in terms of seconds, minutes and hours

Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight

Know the number of seconds in a minute and the number of days in each month, year and leap year

Compare durations of events [for example to calculate the time taken by particular events or tasks]