Year 5 Fundamentals of Mathematics

Number

Place value
* I can read, write, order and compare up to 1,000,000 (knowing value of each digit) and read Roman numerals to 1000 (M) (recognising years in Roman numerals.)

X ÷
* I can identify factors & multiples finding all factor pairs & common factors.
* I can solve **x** and **÷** problems using factors, multiples, scaling, squares & cubes.
* I know and use prime numbers, prime factors and composite numbers (with rapid recall of primes to 19).

+ -
* I can **+** and **-** whole & decimal numbers more than 4-digits (including using the column method)

FDP
* I can read, write & compare decimal numbers, fractions & %s.
* I know the % & decimal equivalent of: 1/2, 1/4, 1/5, 2/5, 4/5 & fractions with denominator of 10 or 25.
* I can **+** & **-** proper fractions with denominators that are multiples & **x** mixed numbers by whole numbers.

Counting (forwards and backwards)
* I can count in powers of 10 up to 1,000,000
* I can count forwards & backwards with positive and negative whole numbers including through zero.

Shape, Space and Measure

Measurement
* I can measure and calculate the perimeter & area of composite rectilinear shapes understanding cm² and m² as cm/m squared.

Geometry– Shape
* I can draw angles and measure them in degrees and distinguish between regular and irregular polygons.

Time
* I can solve problems involving: converting units of time, crossing from minutes to hours, and involving days, weeks, months, years.

Position & Direction
* I can identify, describe and represent the position of a shape following a reflection or translation

Statistics
* I can complete, read and interpret information in tables, including timetables

Being a Mathematician

Reasoning
* I can describe, convince & justify my decisions following lines of enquiry & generalising

Problem solving
* I can work systematically & spot patterns by visualising & making conjectures

Fluency
* I work efficiently and accurately

Communication
* I can make my mathematical thinking clear to myself and others. **(Orally & using words, pictures or numbers)**

Reflection
* I can use my own and suggested strategies to make corrections and improvements.