Year 5 Fundamentals- Maths

Number

Place value

* I can read, write, compare and order numbers to 1,000,000 (knowing the value of each digit) and read Roman numerals to 1000(M) – and recognise years in Roman numerals

Fractions, decimals and percentages (FDP)

* I can read, write and compare decimal numbers, fractions and %

* I know the % and decimal equivalents of ½, ¼, 1/5, 2/5, 4/5 and fractions with denominators of 10 or 25

* I can + and - proper fractions with denominators that are multiples and x mixed numbers by whole numbers

X ÷

* I can identify factors and multiples – I can find all factor pairs and common factors

*I can solve x and ÷ problems using factors, multiples, squares and cubes.

* I know and use prime numbers, prime factors and composite numbers. I know the prime numbers to 19

+ -

* I can use column method to + and - whole and decimal numbers (more than 4 digits)

Counting (forwards and backwards)

* I can count in powers of 10 up to 1,000,000

* I can count forwards and backwards with positive and negative whole numbers including through zero.

Shape / space measure

Measurement

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

Position and Direction

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

Geometry – shape

* I can draw given angles and measure them in degrees and can tell if a polygon is regular or irregular

Time

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

Statistics

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

Being a mathematician

Reasoning

* I can talk about, describe and show how I have come to an answer or prediction

Problem solving

* I can work systematically and spot patterns by visualising and making guesses and predictions

Communication

* I can think about and explain how I solved a maths problem

Fluency

* I can work efficiently, spotting and correcting mistakes

Reflection

* I can use my own strategies and those taught to me to make corrections and improvements