BRINGING LEARNING ALIVE!

Year 5
Maths Basic Skills

Autumn

Add and subtract multiples of 1000 (e.g. 3000 + 4000 = or 8000 – 2000 =)

Addition pairs to 1000 (e.g. 485 + ? = 1000)

Recognise the place value of each digit in numbers with up to 2dp to 1 million (e.g. in 1, 324, 506.89 the 3 is worth 3 hundred thousands, the 8 is worth 8 tenths, etc)

Multiply or divide any number by 10 and 100 (e.g. 46 x 100 = 4600 or 3.8 x 10 = 38)

Count reliably in steps of powers of 10 to at least 1,000,000 (e.g. 3414, 3424, 3434, 3444, 3454, etc)

Order numbers to 1,000,000

Spring

Secure fluency in multiplication and division facts to 12x12

Know squares of all number to 12 and cubes of 2, 3, 4 and 5

Find factors and multiples of whole numbers (e.g. 1, 2, 3, 4 and 6 are factors of 12. 12, 24, 36 are all multiples of 12)

Doubles and halves of any number from 1 to 100

Multiply whole numbers with up to 4 digits by a single digit introducing short method for multiplication

Divide whole numbers with up to 4 digits by a single digit introducing short method division

Summer

Know number bonds to 1 and 10 with decimals to 1dp (e.g. 0.4 + ? = 1 or 4.6 + ? = 10)

Apply place value knowledge to known additive number facts (scaling by 0.1 or 0.01), e.g. 8+6=14; 08.+0.6=1.4; 0.08+0.06=0.14 etc

Round to the nearest 10, 100, 1000, 10,000 or 100,000, decimals to the nearest whole(e.g. 54, 324 to the nearest 10,000 = 50,000)

Know equivalent fractions and decimals (e.g. ½ = 0.5, ¼ = 0.25, 8/10 = 0.8 etc)

Apply place value knowledge to known multiplicative number facts (scaling facts by 0.1 or 0.01), e.g. 0.3x4=1.2; 0.03x4=0.12 etc.