Moving on Year 3 & Starting Points for year 4-6

- Recognise the place value of each digit in a two-digit number (tens, ones) and be able to partition that number into tens and ones *e.g. 23 = 2 tens and 3 ones; 20 + 3*
- Add any one digit number to 10 or a multiple of 10 using place value knowledge. *20 + 3 = 23*
- Compare and order numbers from 0 up to 100; saying which is greater than/bigger, which is less than/smaller
- Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100:
  e.g. 2 + 8 = 10 so 20 + 80 = 100, 80 + 20 = 100, 100 – 20 = 80, 100 – 80 = 20
- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: two 1 digit , 2 digit and 1 digit, a 2-digit number and 10, two 2 digit and three one-digit numbers
- Recognise and use the inverse relationship between addition and subtraction

  E.g. Find calculation families using 3 related numbers e.g. 4 6 10

  4 + 6 = 10 *10 – 6 = 4*

  6 + 4 = 10 *10 – 4 = 6*
- Recognise odd and even numbers
- Recall and use multiplication and division facts for the 2 multiplication table
- Recall and use multiplication and division facts for the 5 multiplication table
- Recall and use multiplication and division facts for the 10 multiplication table
- count in multiples of 3 forward and backward to 30
- Recognise and use the multiplication (x), division (÷) and equals (=) signs
- Solve problems involving multiplication and division, using objects, arrays, repeated addition, mental methods, and multiplication and division facts and
- Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity
- Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) and be able to partition that number into 100s 10s and 1s
  (e.g. 123 = 1 hundred, 2 tens and 3 ones; 100 + 20 + 3)
- Read, write, compare and order numbers up to 1000 in numerals

- Add and subtract numbers mentally, including: a three-digit number and ones/tens/hundreds
  e.g. 312 + 6 = 318 312 + 20 = 332 312 + 200 = 512
- Recall and use multiplication and division facts for the 3 multiplication tables

- Recall and use multiplication and division facts for the 4 multiplication tables

- Recall and use multiplication and division facts for the 8 multiplication tables

- Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
  Begin with column addition and subtraction without 'carrying' / 'exchanging'
- Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction
- Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods
- Use known multiplication and division facts and written methods to multiply and divide 2 digit numbers by 1 digit numbers.
  e.g 23 x 4 = 20 x 4 and 3 x 4
- Recognise, find and write fractions of a set of objects e.g. $^{2}/_{3}$, $^{3}/_{5}$, $^{4}/_{6}$

- Recognise the place value of each digit in a four and five-digit number, ordering and comparing as well e.g. recognise that 2001 is greater than 1568
- Recognise decimal numbers to 2 decimal places (tenths and hundredths)

- Round any number to the nearest 10, 100 or 1000 and decimals to a whole number

- Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
- Recognise and show using diagrams, families of common equivalent fractions e.g. fraction walls
- Know that $^{1}/_{4}$ = 0.25, $^{1}/_{2}$=0.5, $^{3}/_{4}$=0.75 and recognise and write decimal equivalents of any number of tenths or hundredths
- Find the effect of dividing a one or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- Solve simple measure and money problems involving fractions and decimals to two decimal places
- Recall multiplication and division facts for multiplication tables up to 12 x 12