Deepdale Community Primary School
Autumn term: Maths Year 5
Termly Number Non-negotiables

Within teaching, there will be regular reasoning opportunities for children, allowing them to develop their skills in explaining and justifying their thinking.

Place value
The great majority of children will be able to:
Count forwards or backwards in steps of 10 from any given number up to 1, 000,000.
Recognise the place value of each digit up to 1,000,000.
Compare and order numbers up to 1,000,000.
Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000, 100,000.
Solve number problems involving all of the above

Number: Addition and Subtraction
The great majority of children will be able to:
Partition to add and subtract numbers mentally where one or both numbers are multiples of 10 or 100. E.g. 364 + 250, 2854 + 1400
Add and subtract 4-digit numbers mentally where there is no carrying or exchange. e.g. 5125+2351
Add and subtract increasingly large numbers using appropriate mental strategies e.g. 147 654 – 147 632
Add whole numbers with more than 4-digits using the column method (including combinations of numbers with different amounts of digits)
Subtract whole numbers with more than 4-digits using the column method (including combinations of numbers with different amounts of digits)
Solve multi-step problems deciding which operations and methods to use and why

Multiplication and Division
The great majority of children will be able to:
Multiply and divide numbers mentally by drawing upon known facts
Identify multiples and factors, including finding all factor pairs of a number
Recall prime numbers up to 19.
Recall square numbers up to 12x12
Recall related tables facts for multiples of 10 e.g. 70 x 6   8 x 40   90 x 6
Recognise and use cube numbers for 1, 2 ,3 ,4, 5 and 10
Multiply numbers by 10,100 and 1000.
Divide numbers by 10,100 and 1000.
Solve problems involving multiplication and division using their knowledge of factors, multiples, squares and cubes