



Deepdale Community Primary School

End of Year: Maths Year 5

Number Non-negotiables

Through regular opportunities throughout the year to revisit and apply the high value learning below, by the end of the year the great majority of children will have achieved the following non-negotiables:

Number - Place value The great majority of children will be able to:

Count forwards and backwards with positive and negative numbers through zero.

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 where one/both numbers are multiples of 10/100 e.g. $364+250$, $2854+1400$

Add and subtract increasingly larger numbers using mental strategies e.g. $147,654 - 147,632$

Add whole numbers with more than 4-digits using the column method (different numbers of digits)

Subtract whole numbers with more than 4-digits using the column method (different numbers of digits)

Solve multi-step problems deciding which operations and methods to use and why

Number - 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.

Recognise and use square numbers up to 12×12 and cube numbers for 1,2,3,4,5, and 10

Multiply/divide whole numbers by 10,100 and 1000.

Multiply 4-digits by 1-digit using the column method

Multiply 3-digits by 2-digits using the column method

Divide 4-digits by 1-digit using a written method

Solve two step problems using the above deciding which operations and methods to use and why

Number - Fractions The great majority of children will be able to:

Compare and order fractions whose denominators are multiples of the same number

Write equivalent fractions of a given fraction

Recognise improper fractions and mixed numbers and convert from one to another

Add and subtract fractions with denominators that are multiples of the same number

Add and subtract fractions with mixed numbers, with denominators that are multiples of the same number

Multiply a fraction by a whole number

Solve problems using the above

Number – Decimals and percentages: The great majority of children will be able to:

Recognise and use thousandths

Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place

Order and compare decimals to three decimal places

Use place value to add and subtract decimals e.g. $0.45+0.005$; $0.44-0.09$

Partition to add and subtract decimals e.g. $4.7-2.5$

Use number bonds to add and subtract decimals e.g. $1.5+2.7$ using knowledge of $15+27=42$

Use addition and subtraction facts to 1 to calculate crossing the whole e.g. $0.74+0.48$ is $0.74+0.26$ (1) $+0.22$

Use partitioning to double and half numbers with up to 2 decimal places

Multiply and divide decimals by 10,100,1000

Recognise the % symbol, and understand that it relates to 'number of parts per hundred'

Recognise and write decimal/percentage equivalents for tenths, hundreds and thousandths. E.g. $7/10$ is 70% is 0.7

Solve problems using the above

