



## Deepdale Community Primary School

### End of Year: Maths Year 4

#### 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:

<b>Number - Place value</b> The great majority of children will be able to:
Count in multiples of 6, 7, 9, 25, and 1000.
Say what each digit represents in a 4 digit number
Compare and order numbers beyond 1000
Find 1, 10, 100 or 1000 more or less than any given number
Count backwards through zero to include negative numbers
Round to the nearest 10, 100 and 1000
<b>Solve number problems involving all of the above</b>
<b>Number - Addition and Subtraction</b> The great majority of children will be able to:
Add and subtract two 3-digit numbers using partitioning e.g. $243+230$ ; $562-320$
Add and subtract by bridging through 10 e.g. $97+64$ as $97 + 3 + 61$
Find differences by counting up through the next multiple of 10/100 e.g. $92-35$ ; $504-180$
Recall and use addition and subtraction facts for 100. e.g. $63+37$
Recall and use addition and subtraction facts for multiples of 100 totalling 1000 e.g. $700+ 300$
Add two 4-digit numbers with more than 1 exchange
Subtract two 4-digit numbers with more than 1 exchange
<b>Solve addition and subtraction two step problems, deciding on which operations to use and why</b>
<b>Number - Multiplication and Division</b> The great majority of children will be able to:
Multiply and divide numbers by 10 and 100
Recall their 6, 7, 9, 11 and 12 times tables and related division facts.
Partition to double or half any number e.g. double 374; half 7602
Multiply three single digit numbers
Use known facts to multiply mentally e.g. $700 \times 9$
Partition to divide 2-digit numbers by a 1-digit number e.g. $84 \div 6$ by partitioning into 60 and 24
Multiply a 3-digit number by a 1-digit number using a written method
Divide 3-digit numbers by a 1-digit number using a written method
<b>Solve word problems using all of the above</b>
<b>Number - Fractions</b> The great majority of children will be able to:
Recognise and use diagrams to show families of common equivalent fractions
Count up and down in hundredths
Add and subtract fractions with the same denominator including where the answer is larger than a whole
Find a fraction of an amount using unit and non-unit fractions
<b>Solve word problems using the above</b>
<b>Number - Decimals:</b> The great majority of children will be able to:
Read and write tenths and hundredths as decimals
Find the effect of dividing a 1 or a 2-digit number by 10 and 100 when the answer is a decimal
Use number bonds to 10 to find number bonds to 1 using tenths and hundredths e.g. $0.3+0.7$ ; $0.34+0.66$
Compare and order decimals to 2 decimal places
Recognise and write decimal equivalents to $\frac{1}{4}$ , $\frac{1}{2}$ and $\frac{3}{4}$
<b>Solve simple measure and money problems involving decimals to 2 decimal places</b>