



	<u>Year 1</u>	Year 2
Rapid Recall	 All pairs of number with a total of 10 e.g. 3 +7 Addition and subtraction facts for all numbers to at least 5 Doubles of all numbers to at least 10 e.g. 7+7 Multiples of 2, 5, and 10 to the tenth multiple 	 Addition and subtraction facts for all number to at least 10 All pairs of number with a total to 20 e.g. 13+7 All pairs of multiples of 10 with a total up to 100 e.g. 30+70 Multiplication facts for the 2, 5, 10 times tables and corresponding division facts Doubles of all number to 20 and corresponding halves
Mental Strategies Children should be able to use the following strategies, as appropriate, for mental calculations	 Count on or back in ones Recorder numbers in a calculation Begin to bridge through 10 and later 20 when adding a single-digit number Use number facts and place value to add or subtract pairs of single-digit numbers Add 9 single-digit numbers by adding 10 then subtracting 1 Identify near doubles using doubles already known Use patterns of similar calculations 	 Count on or back in tens or ones Fin a small difference by counting up from the smaller to the larger number Reorder numbers in a calculation Add three small number by putting the largest number first and/or finding a pair totalling 10 Partition additions into tens and units them recombine Bridge through 10 and 20 Use know facts and place value to add or subtract pairs of numbers Partition in '5 and a bit' when adding 6, 7, 8 or 9 Add or subtract 9, 19, 11 or 21 by rounding and compensating Identifying near doubles Use patterns of similar calculations Use the relationship between addition/subtraction Use knowledge of number facts and place value to multiply or divide by 2, 5 or 10 Use doubles and halves and halving as the inverse or doubling
Mental Calculations Children should be able to calculate mentally	 Add or subtract a single-digit to or from a single-digit, without crossing 10 e.g. 4+5, 8-3 Add or subtract a single-digit to or from 10 Add or subtract a single-digit or from a 'teens' number, without crossing 20 or 10 e.g. 13+5, 17-3 Doubles of all number to 10 e.g. 8+8, double 6 	 Add or subtract any single-digit to or from any two-digit number, without crossing the tens boundary e.g. 62+4, 38-7 Add or subtract any single digit to or from a multiple of 10 e.g. 60+5, 80-7 Add or subtract any 'teens' number to any two-digit number without crossing the tens boundary e.g. 23+14, 48-13 Find what must be added to any two-digit multiple of 1- to make 100 e.g. 70+? = 100 Add or subtract a multiple of 10 to or from any two-digit number, without crossing 100 e.g. 47+30, 82-50 Subtract any two digit number from any two-digit number when the difference is less than 10, e.g. 78-71 or 52-48 Doubles of all numbers to at least 15 Double any multiple of 5 up to 50 e.g. double 35 Halve any multiple of 10 up to 100 e.g. halve 50