

# Mental Calculations - Rapid Recall

Foundation	Year 1	Year 2	Year 3
<p>Observe number relationships in the environment and use these to derive facts.</p> <p>Find one more or one less than a number 1 to 10.</p> <p>Select two groups of objects to make a given total of objects.</p>	<p>All pairs of numbers with a total of 10.</p> <p>Addition facts for all numbers to at least 5.</p> <p>Subtraction facts for all numbers to at least 5.</p> <p>Doubles of all numbers to at least 10.</p> <p>Multiples of 2,5 and 10 to 10th multiple.</p>	<p>All pairs of numbers with a total of 10.</p> <p>All pairs of numbers with a total to 20.</p> <p>Addition facts for all numbers to at least 10.</p> <p>Subtraction facts for all numbers to at least 10.</p> <p>Halves corresponding to doubles to 10 and beyond.</p> <p>All pairs of multiples of 10 with a total of 100</p> <p>Multiplication facts for the 2,5 and 10 times table.</p> <p>Division facts for the 2,5 and 10 times tables.</p> <p>Use knowledge of number facts to check answers to calculations</p>	<p>All pairs of numbers with a total of 10.</p> <p>All pairs of numbers with a total to 20.</p> <p>Addition facts for all numbers to at least 20.</p> <p>Subtraction facts for all numbers to at least 20.</p> <p>Halves corresponding to doubles to 20 and beyond.</p> <p>All pairs of multiples of 10 with a total of 100</p> <p>Sums and differences of multiples of 10 and number pairs that total 100.</p> <p>Multiplication facts for the 2,3,4,5,6 and 10 times tables</p> <p>Division facts for 2,3,4,5,6 and 10 times tables.</p> <p>Use knowledge of number facts to check answers to calculations.</p>

Year 4	Year 5	Year 6
<p>All pairs of numbers with a total of 10 and 20.</p> <p>Addition facts for all numbers to 20.</p> <p>Subtraction facts for all numbers to 20.</p> <p>Doubles for all numbers to 20 and beyond.</p> <p>Halves corresponding to doubles to 20 and beyond.</p> <p>Doubles of 2 digit numbers.</p> <p>Doubles of multiples of 10, 100 and corresponding halves.</p> <p>Sums and differences of pairs of multiples of 10,100 or 1000.</p> <p>Identify pairs of fractions that total 1.</p> <p>Multiplication facts to 10x10.</p> <p>Division facts corresponding to tables up to 10x10.</p>	<p>All pairs of numbers with a total of 10 and 20.</p> <p>Addition facts for all numbers to 20.</p> <p>Subtraction facts for all numbers to 20.</p> <p>Doubles for all numbers to 20 and beyond.</p> <p>Halves corresponding to doubles to 20 and beyond.</p> <p>Doubles of 2 digit numbers.</p> <p>Doubles of multiples of 10, 100 and corresponding halves.</p> <p>Sums and differences of pairs of multiples of 10,100 or 1000.</p> <p>Sums and differences doubles and halves of decimals.</p> <p>Identify pairs of fractions that total 1.</p> <p>Multiplication facts to 10x10.</p> <p>Division facts corresponding to tables up to 10x10.</p> <p>Pairs of factors of 2 digit whole numbers.</p> <p>Common multiples e.g. of 6 and 9.</p> <p>Use knowledge of rounding, number operations and inverses to estimate and check calculations.</p>	<p>All pairs of numbers with a total of 10 and 20.</p> <p>Addition facts for all numbers to 20.</p> <p>Subtraction facts for all numbers to 20.</p> <p>Doubles for all numbers to 20 and beyond.</p> <p>Halves corresponding to doubles to 20 and beyond.</p> <p>Doubles of 2 digit numbers.</p> <p>Doubles of multiples of 10, 100 and corresponding halves.</p> <p>Sums and differences of pairs of multiples of 10,100 or 1000.</p> <p>Sums and differences doubles and halves of decimals.</p> <p>Identify pairs of fractions that total 1.</p> <p>Use knowledge of pv and x facts to 10x10 to derive x and ÷ facts involving decimals.</p> <p>Squares of all integers from 1-12 and corresponding squares.</p> <p>Pairs of factors of 2 digit whole numbers.</p> <p>Common multiples e.g. of 6 and 9.</p> <p>Know prime numbers less than 100. Prime factors of 2 digit whole numbers.</p> <p>Use and apply tests of divisibly to check results.</p> <p>Use knowledge of rounding, number operations and inverses to estimate and check calculations.</p>