

## Burrough Green Mental Maths Targets for Year 6

To be practised regularly, reinforcing the relationship between numbers and operations.

	Name	Tick and date
Addition/Subtraction (yr 5)	<p><b><u>I can work out sums and differences of decimals by using knowledge of place value and addition and subtraction of 2 digit numbers</u></b>                      Eg. <math>65 + 27 = 92</math> so I can work out <math>6.5 + 2.7 = 1.6 - 0.9 = 0.7</math> (since <math>16 - 9 = 7</math>)</p> <p><b>AND</b></p> <p><b><u>I can work out doubles and halves of decimals by using knowledge of place value and 2 digit numbers:</u></b>                      Eg. I know half of <math>56 = 28</math> so half of <math>5.6 = 2.8</math>,                      double <math>34 = 68</math> so double <math>0.34 = 0.68</math></p> <p><b><u>I can work out quickly:</u></b>  <b>Decimals (tenths) with a total of 1:</b>                      Eg. <math>0.7 + 0.3</math> or <math>0.1 + 0.9</math>  <b>Decimals (ones and tenths) with a total of 10</b>                      Eg. <math>3.7 + 6.3</math> or <math>8.5 + 1.5</math></p>	
Doubles	<b><u>I can double all two digit whole numbers or decimals.</u></b>	
Multiplication/Division	<p><b><u>I can show I have sound knowledge of times tables:</u></b>                      2X, 3X, 4X, 5X, 6X, 7X, 8X, 9X, 10X  <b><u>I can show good knowledge of division facts:</u></b>                      2x, 3x, 4x, 5x, 6x, 7x, 8x, 9x, 10x</p>	
	<b><u>I can work out related facts involving decimals, using knowledge of place value and times tables up to <math>10 \times 10</math>:</u></b> eg. $0.8 \times 7 = 5.6$ $4.8 \div 6 = 8$	
	<b><u>I can work out quickly the squares of all numbers from 1 to 12:</u></b> 1X1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8, 9x9, 10x10, 11x11, 12x12	
	<b><u>I can work out quickly squares of multiples of 10 up to 120</u></b> Eg 20 squared = 400 80 squared = 6400 120 squared = 14400	
	<p><b><u>I can recognise that prime numbers have only 2 factors, 1 and itself</u></b>                      Eg. 5 has the factors 5 and 1</p> <p><b><u>I can identify prime numbers less than 100 eg.</u></b>                      2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31...</p> <p><b><u>I can find prime factors of 2 digit numbers.</u></b>                      Eg. the prime factors of 12 are:  <math>2 \times 2 \times 3</math></p>	
	<b><u>I can use tests for divisibility to estimate and check results</u></b> Eg. I can show that numbers are/are not multiples of 2, 5 and 10; 3, 6, and 9; 4 and 8; 50 and 100.	