

Summit Learning Trust Mental Recall Progression

STAGE	Addition	Subtraction	Doubling and Halving	Times Tables (x and division facts)	Fractions, decimals, percentages
A	Addition bonds to 5	Subtraction bonds to 5			
B	Addition bonds to 10 (up to 5 + 5)	Subtraction bonds to 10	Doubling / halving to totals of 10 e.g. double 5, halve even numbers to 10	Explore and represent number patterns within numbers to 10.	
1	Adding zero Adding one to a single digit Adding 2 to a single digit Adding 10 to a single digit number Number bonds to 20 Bonds to make numbers to 10	Subtracting zero Subtracting one from a single digit Subtracting 10 from a two-digit number between 11 and 20 Subtraction facts to 20 Subtractions bonds with numbers to 10	Doubles within 20 Halving even numbers within 20		
2	Addition bonds to 100 including derive bonds to 100 e.g. multiples of 10 e.g. 10 + 90. Bridging and compensating across ten boundary with addition facts	Subtraction bonds to 100 including derive bonds to 100 e.g. multiples of 10 e.g. 90 - 10 Bridging and compensating across ten boundary with subtraction facts	Doubles up to and including 20 Halving even numbers up to and including 20 Near doubles	2, 5, 10	
3	Add a three-digit number and a one-digit number Add three-digit number and multiple of 10 Add three-digit number and a multiple of 100 Addition of multiples of 100	Subtract a one-digit number from a three digit Subtract a multiple of 10 from a three -digit number Subtract a multiple of 100 from a three - digit number Subtraction of multiples of 100	Double up to and including 50 Halving even numbers up to and including 50 Near doubles	3, 4, 6, 8, 9, X and divide by 10 (whole numbers)	
4	Add a four-digit number and a one digit / 10, 100, 1000 Numbers bonds to 1 (tenths)	Subtract one digit / 10, 100, 1000 from a four digit numbers Subtraction bonds to 1 (tenths)	Doubling and halving three digit numbers	7, 11, 12 Multiplying by 0 and 1 Dividing by 1 Recall and use multiplication and division facts for	Recall $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ as decimals



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				<p>multiplication tables up to 12x12</p> <p>X and divide by 10, 100</p> <p>X and divide including decimals (tenths)</p>	
5	<p>Add one digit, 10, 100, 1000, 10,000 to any given number</p> <p>Numbers bonds to 1 (hundredths)</p>	<p>Subtract from any given number a one digit number or multiple of 10, 100, 1000, 10,000</p> <p>Subtraction bonds to 1 (hundredths)</p>	<p>Doubling and halving four digit numbers</p>	<p>X and divide by 10, 100 and 1000</p> <p>X and divide mentally with known facts</p> <p>X and divide including decimals (inc' hundredths)</p> <p>Prime numbers to 19</p> <p>Squared numbers to 12 x 12</p> <p>2,3,4,5 cubed</p>	<p>Recall decimals and percentages including fifths, tenths</p> <p>Recall between decimals and percentages e.g. 0.71 is 71%</p>
6	<p>Number bonds to 1 (thousandths)</p>	<p>Subtraction bonds to 1 (thousandths)</p>	<p>Doubling and halving of any given number</p>	<p>Cube numbers to 1000</p>	<p>Recall decimals and percentages of unit fractions for e.g. twentieth, fiftieths.</p> <p>Recall equivalent fraction, decimal amounts to percentages e.g. $\frac{3}{5}$ is 60%.</p>



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Trust expectations

	EYFS	KS1	Year 3 and 4	Year 5 and 6
Delivery expectations	<p>Minimum 4 lessons per week Mastering Number (in addition to daily maths teaching).</p> <p>Follow Mastering Number lesson structure and guidance.</p>	<p>Minimum 4 lessons per week Mastering Number (in addition to daily maths teaching).</p> <p>Follow Mastering Number lesson structure and guidance.</p> <p>Year 2: From Spring Term, minimum 1 Mental Recall lesson to include recall of times tables.</p> <p>Follow the Mental Recall lesson guidance document</p>	<p>Follow the progression overview guidance.</p> <p>Explicit mathematical recall lessons (minimum x4 per week.)</p> <p>Follow the Mental Recall lesson guidance document</p>	<p>Follow the progression overview guidance.</p> <p>Explicit mathematical recall lessons (minimum x4 per week.)</p> <p>Follow the Mental Recall lesson guidance document</p>
'Fast Fact' / 'Speed tables' (retrieval)		<p>3 'Fast Fact' sessions of max' 5 minutes per week. These are to be done in addition to the recall lessons e.g. morning tasks</p>	<p>3 'Speed Tables' sessions of max' 5 minutes per week. These are to be done in addition to the recall lessons e.g. morning tasks</p>	

