

Year 3 Maths Planning – Summer 1 (Lessons 1 to 10) – Number system and Calculating

Week	Day	Mental starter	Learning objective	Differentiation	Activity																										
1	Mon	To be able to add multiples of 10 to a number	To be able to use column addition to add two numbers	LA – add 1-digit numbers to 2-digit numbers MA – add 2-digit numbers HA – add 3-digit numbers G+T – add 4-digit numbers and decimals	Chn to use following layout <table><tr><td>1)</td><td></td><td>4</td><td>3</td><td></td></tr><tr><td></td><td>+</td><td>2</td><td>5</td><td></td></tr><tr><td></td><td></td><td>6</td><td>8</td><td></td></tr></table> only:	1)		4	3			+	2	5				6	8												
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		+	2	5																											
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	Tue	To be able to add multiples of 100 to a number	To be able to use column addition to add several numbers	LA – add 1-digit numbers to 2-digit numbers MA – add 2-digit numbers HA – add 3-digit numbers G+T – add 4-digit numbers and decimals	Children who were insecure on adding two numbers in columns to work on this again																										
Wed	To be able to subtract multiples of 10 from a number	To be able to use column subtraction (no zeros in top numbers)	LA – subtract 1-digit numbers / multiples of 10 MA – subtract 2-digit numbers HA – subtract 3-digit numbers G+T – subtract 4-digit numbers and decimals	Chn to use following layout only: <table><tr><td>1)</td><td></td><td>4</td><td>8</td><td></td></tr><tr><td></td><td>-</td><td>2</td><td>5</td><td></td></tr><tr><td></td><td></td><td>2</td><td>3</td><td></td></tr></table>	1)		4	8			-	2	5				2	3													
1)		4	8																												
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Thu	To be able to subtract multiples of 100 from a number	To be able to use column subtraction (with zeros in top numbers)	LA – subtract 1-digit numbers / multiples of 10 MA – subtract 2-digit numbers HA – subtract 3-digit numbers G+T – subtract 4-digit numbers and decimals	Chn who were insecure on subtracting in columns with no zeros in the top numbers to work on this again																											
Fri	To be able to add and subtract multiples of 10 to / from a number	Column addition and subtraction (without partitioning and with carrying and borrowing)	LA – + & - 1-digit numbers / multiples of 10 MA – + & -2-digit numbers HA – + & - 3-digit numbers G+T – + & - 4-digit numbers and decimals	Chn to use following layout <table><tr><td>1)</td><td></td><td>4</td><td>3</td><td></td><td>1)</td><td></td><td>4</td><td>8</td></tr><tr><td></td><td>+</td><td>2</td><td>5</td><td></td><td></td><td>-</td><td>2</td><td>5</td></tr><tr><td></td><td></td><td>6</td><td>8</td><td></td><td></td><td></td><td>2</td><td>3</td></tr></table> only:	1)		4	3		1)		4	8		+	2	5			-	2	5			6	8				2	3
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		6	8				2	3																							

Week	Day	Mental starter	Learning objective	Differentiation	Activity
2	Mon	To know facts for multiplying and dividing by 2	To understand multiplication and division as arrays and as inverses	LA – X & ÷ by 2, 5 and 10 MA – X & ÷ by 6, 7, 8 and 9 HA – use known facts to calculate with decimal places G+T – calculate area and perimeter	Chn to derive 4 related multiplication and division sentences from an array e.g. $2 \times 4 = 8$, $4 \times 2 = 8$, $8 \div 4 = 2$ and $8 \div 2 = 4$
	Tue	To know facts for multiplying and dividing by 5	To be able to divide with remainders	LA – divide by 2, 5 and 10 MA – divide by 3, 4 and 6 HA – divide by 7, 8 and 9 G+T – express quotients as fractions	Chn to calculate divisions with remainders on number lines G+T - express quotients as fractions e.g. $5 \div 2 = 2 \frac{1}{2}$
	Wed	To know facts for multiplying and dividing by 3	To be able to round remainders up or down depending on context	LA – divide by 2, 5 & 10 (no rounding) MA – divide by 2, 5 & 10 (w/rounding) HA – divide by 2 to 10 (w/rounding) G+T – solve ratio word problems	Chn to solve rounding up or down remainders problems G+T – solve word problems involving scaling up or down
	Thu	To know facts for multiplying and dividing by 4	To be able to multiply and divide by 10 and 100	LA – multiply and divide by 10 & 100 MA – also by 1,000 HA – also with decimal places	Chn to multiply numbers by 10, 100 or 1,000
	Fri	To know facts for multiplying and dividing by 6	To be able to use strategies to solve problems	LA – one-step, operation given MA – one-step, operation not given HA – two-step, operation not given Ext – make up own examples	Chn to solve function machine problems e.g. 