

Year 3 Numbers and calculating planning – Spring 1 (Lessons 1 to 10)

Week	Day	Mental starter	Learning objective	Differentiation	Activity											
1	Mon	To know facts for multiplying and dividing by 2	To be able to write numbers in figures and in words	LA – 2-digit numbers MA – 3-digit numbers HA – 4-digit numbers G+T – 5-digit numbers	Chn to write numbers given in figures in words e.g. 11 as eleven, and numbers given in words in figures e.g. forty-two as 42											
	Tue	To know facts for multiplying and dividing by 5	To be able to order numbers from lowest to highest	LA – 2-digit numbers MA – 3-digit numbers HA – 4-digit numbers Ext – negative numbers and numbers with dps	Chn to order a series of sets of 4 numbers from lowest to highest											
	Wed	To know facts for multiplying and dividing by 3	To be able to partition numbers in a range of ways	LA – 2-digit numbers MA – 3-digit numbers HA – 4-digit numbers Ext – numbers with decimal places	Chn to partition each number in 3 different ways											
	Thu	To know facts for multiplying and dividing by 4	To be able to add and subtract multiples of 10 and 100	LA – add and subtract multiples of 10 MA – add and subtract multiples of 100 HA – add and subtract multiples of 1,000 G+T – add and subtract tenths, hundredths and thousandths	Chn to mentally add and subtract multiples of 10, 100 or 1,000 e.g. $34 + 30$, $458 + 200$											
	Fri	To know facts for multiplying and dividing by 6	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 <div style="text-align: center; margin: 10px 0;"> <table border="1" style="border-collapse: collapse; width: 100px; height: 40px;"> <tr><td style="padding: 2px;">1)</td><td style="padding: 2px;">4</td><td style="padding: 2px;">3</td><td style="padding: 2px;"></td></tr> <tr><td style="padding: 2px;"></td><td style="padding: 2px;">+</td><td style="padding: 2px;">2</td><td style="padding: 2px;">5</td></tr> <tr><td style="padding: 2px;"></td><td style="padding: 2px;"></td><td style="padding: 2px;">6</td><td style="padding: 2px;">8</td></tr> </table> </div> only:	1)	4	3			+	2	5			6
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	+	2	5													
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2	Mon	To be able to count in halves	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																									
	Tue	To be able to count in thirds	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 border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>1)</td><td>4</td><td>8</td><td></td></tr> <tr><td></td><td>-</td><td>2</td><td>5</td></tr> <tr><td></td><td></td><td>2</td><td>3</td></tr> </table>	1)	4	8			-	2	5			2	3													
	1)	4	8																											
		-	2	5																										
			2	3																										
Wed	To be able to count in quarters	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 wor on this again																										
Thu	To be able to count in fifths	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 only <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>1)</td><td></td><td>4</td><td>3</td><td></td><td>1)</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>	1)		4	3		1)	4	8		+	2	5			-	2	5			6	8				2	3
1)		4	3		1)	4	8																							
	+	2	5			-	2	5																						
		6	8				2	3																						
Fri	To be able to count in tenths	To understand multiplication and division as arrays and as inverses	LA – X & ÷ by 2, 5 and 10 MA – X & ÷ by 3, 4 and 6 HA – X & ÷ by 7, 8 and 9 G+T – use known facts to calculate with decimal places	Chn to derive 4 related multiplication and division sentences from an array e.g. 2) 4 = 8, 4 X 2 = 8, 8 ÷ 4 = 2 and 8 2 = 4																										