

Year 4

Termly Plans Academic Year 2021 - 2022

Teach Up

Mathematics
Lessons

Manageable
Steps

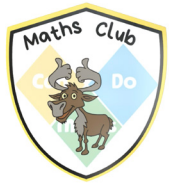
Intelligent Practice

Maths on Track
Meetings

Weekly
Suggestions

Deliberate Practice

Keep Up



Introduction

This termly plan has been carefully designed to support you to plan for successful learning of the year's maths from the National Curriculum.

The green sections provide the maths curriculum broken down into manageable steps

Manageable to teach and manageable to learn.

The blue lessons of 'Remember This' and 'Extra Problem Solving' provide flexibility within the timing of the plan for you to make decisions for your own class.

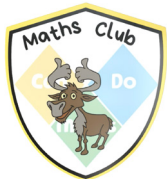
Remember It at the end of each term is a session to check the learning that has taken place during the term using the CanDoMaths Remember It for that term.

The second section on each termly plan, in blue, sets out a suggested structure for the second maths session each day - an essential element in the CanDoMaths curriculum plan.

The content on Monday and Tuesday is based on the Magic 24 from the ArithmeKit which is a separate resource that can be used to support your planning. The Magic 24 are key elements of arithmetic to secure during the year.

In your Wednesday and Thursday maths meetings it is suggested that you use deliberate practice to secure sustainable progress - based on past and present learning. You may want to use CanDoMaths Deliberate Practice and Retrieve It resources to support your planning for these sessions.

The bright pink fact column suggests a number fact to prioritise throughout the week and Friday is suggested as an opportunity to really hit a number fact hard. CanDoBonds, CanDoTables and CanDo21 are additional resources that would support your planning of these sessions.



Year 4 Term 1

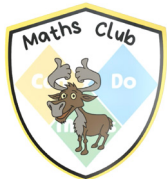
Term 1 W/c		KPI	DfE RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24		
02/09/2021	T	KPI 1 4NPV-1, 2	4NPV-1, 2	Number and Place Value	TDD	3 x table facts	CanDoTables 3x7		
	F				Represent 4-digit numbers		ArithmeCheck 3		
06/09/2021	M		KPI 1 4NPV-1, 2	4NPV-1, 2	Number and Place Value		Recognise the value of digits in 4-digit numbers	3 x table facts	3.1 Compare and order numbers up to 1000 and position them on a number line
	T						Read 4-digit numbers in words and write using numerals		Deliberate Practice: Past and Present
	W						Read 4-digit numbers in numerals and write in words		Deliberate Practice: Past and Present
	T						Read 4-digit numbers in words and write using numerals including zero as a place holder		CanDoTables 3x8
13/09/2021	F		KPI 1 4NPV-1, 2	4NPV-1, 2	Number and Place Value		Read 4-digit numbers in numerals and write in words, including zero as a place holder	4 x table facts	3.2 Use place value to find 10 and 100 more or less than 3-digit numbers
	M						Identify 4-digit numbers on a number line		3.2 Use place value to find 10 and 100 more or less than 3-digit numbers
	T						Represent 4-digit numbers on a number line		Deliberate Practice: Past and Present
	W						Count in multiples of 25 from zero		Deliberate Practice: Past and Present
20/09/2021	T		KPI 2 4NPV-3	4NPV-3	Number and Place Value		Count up in multiples of 1000 from any number	4 x table facts	CanDoTables 4x6
	F						Find 1000 more than a given number		3.7 Use rounding to add near multiples of 10
	M						Find 1000 less than a given number		3.7 Use rounding to add near multiples of 10
	T						Compare two 4-digit numbers		Deliberate Practice: Past and Present
27/09/2021	W	KPI 3 4NPV-3	4NPV-3	Number and Place Value	Order 4-digit numbers with different thousands	4 x table facts	Deliberate Practice: Past and Present		
	T				Order 4-digit numbers with the same thousands		Deliberate Practice: Past and Present		
	F				Round 2-digit numbers to the nearest 10		CanDoTables 4x7		
	M				Round 3-digit numbers to the nearest 10		3.11 Use rounding to subtract a near multiple of 10		
04/10/2021	T	KPI 4 4G-3	4G-3	Geometry: Properties of Shapes	Round 4-digit numbers to the nearest 10	8 x table facts	3.11 Use rounding to subtract a near multiple of 10		
	W				Round 3-digit numbers to the nearest 100		Deliberate Practice: Past and Present		
	T				Round 3 and 4-digit numbers to the nearest 100		Deliberate Practice: Past and Present		
	F				Round 4-digit numbers to the nearest 1000		CanDoTables 4x8		
11/10/2021	M	KPI 4 4G-3	4G-3	Geometry: Properties of Shapes	Count backwards through zero to include negative numbers	8 x table facts	3.5 Partition the second number to add 10s then 1s including bridging		
	T				Read Roman numerals to 100		3.5 Partition the second number to add 10s then 1s including bridging		
	W				Identify and describe an equilateral triangle		Deliberate Practice: Past and Present		
	T				Identify and describe an isosceles triangle		Deliberate Practice: Past and Present		
18/10/2021	F	KPI 4 4G-3	4G-3	Geometry: Properties of Shapes	Identify and describe a scalene triangle	8 x table facts	CanDoTables 8x6		
	M				Identify and describe a parallelogram		3.1 Partition the second number to subtract 10s then 1s including bridging		
	T				Identify and describe a rhombus		3.1 Partition the second number to subtract 10s then 1s including bridging		
	W				Identify and describe a trapezium		Deliberate Practice: Past and Present		
18/10/2021	T	KPI 4 4G-3	4G-3	Geometry: Properties of Shapes	Identify and describe a kite	8 x table facts	Deliberate Practice: Past and Present		
	F				Classify 2D shapes		CanDoTables 8x7		
	M				Identify lines of symmetry of a 2D shape		3.9 Subtract numbers by finding the difference between them		
	W				Identify a line of symmetry of a pattern and for a diagram of a reflection		3.9 Subtract numbers by finding the difference between them		
18/10/2021	T	KPI 4 4G-3	4G-3	Geometry: Properties of Shapes	Use a line of symmetry to produce a symmetrical pattern	8 x table facts	Deliberate Practice: Past and Present		
	F				Use a line of symmetry to complete a symmetrical shape		Deliberate Practice: Past and Present		
	F				End of Term Assessment: Remember It 1		CanDoTables 8x8		

Half Term



Year 4 Term 2

Term 2. W/c		KPI	DfE RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check					
01/11/2021	M	KPI 6, 7, 20	4NF-1	Multiplication and Division: Multiplication Tables	Remember This?	6 x tables facts					
	T				Build the 6x table and count in steps of 6 and multiples of 6 from zero		3.18 Multiply numbers by 10 using place value				
	W				Recall and use multiplication facts for the 6 times table		3.18 Multiply numbers by 10 using place value				
	T				Recall and use division facts for the 6 times table		Deliberate Practice: Past and Present				
08/11/2021	F			KPI 5	4NF-3		Multiplication and Division: Multiplication Tables	Build the 9x table and count in steps of 9 and multiples of 9 from zero	Deliberate Practice: Past and Present		
	M							Recall and use multiplication facts for the 9 times table	CanDoTables 6x3		
	T							Recall and use division facts for the 9 times table	3.22 Divide whole numbers by 10 using place value		
	W							Build the 7x table and count in steps of 7 and multiples of 7 from zero	3.22 Divide whole numbers by 10 using place value		
15/11/2021	T						KPI 18	4NF-3	Multiplication and Division	Recall and use multiplication facts for the 7 times table	Deliberate Practice: Past and Present
	W									Recall and use division facts for the 7 times table	Deliberate Practice: Past and Present
	T									Know and use the effect of multiplying by 0	CanDoTables 6x4
	F									Know and use the effect of multiplying by 1	3.19 Multiply numbers by a multiple of 10 using place value
22/11/2021	M	KPI 18	4NF-3			Addition and Subtraction: Mental Methods Addition			Know and use the effect of dividing by 1	3.19 Multiply numbers by a multiple of 10 using place value	
	T								Extra Problem Solving	Deliberate Practice: Past and Present	
	W								Remember This?	Deliberate Practice: Past and Present	
	T								Add ones to 4-digit numbers (where the thousands change)	CanDoTables 6x6	
29/11/2021	F			KPI 18	4NF-3	Addition and Subtraction: Mental Methods Addition			Add tens to 4-digit numbers (where the hundreds change)	3.23 Divide whole numbers by a multiple of 10 using place value	
	M								Add tens to 4-digit numbers (where the thousands change)	3.23 Divide whole numbers by a multiple of 10 using place value	
	T								Add hundreds to 4-digit numbers (where the thousands change)	Deliberate Practice: Past and Present	
	W								Add hundreds to 4-digit numbers (where the thousands change)	Deliberate Practice: Past and Present	
06/12/2021	F					KPI 18	4NF-3	Addition and Subtraction: Mental Methods Subtraction	Add 3-digit number to 4-digit number using rounding to the nearest hundred and then compensating	CanDoTables 6x7	
	M								Add two 4-digit numbers using rounding to the nearest thousand and then compensating	3.20 Use partitioning and known facts to multiply 2-digit by 1-digit numbers	
	T								Add two 3-digit numbers where the sum exceeds 1000, choosing an efficient mental strategy	3.24 Use partitioning and known facts to divide 2-digit by 1-digit numbers	
	W								Extra Problem Solving	Deliberate Practice: Past and Present	
13/12/2021	T	KPI 18	4NF-3					Addition and Subtraction: Mental Methods Subtraction	Remember This?"	Deliberate Practice: Past and Present	
	F								Subtract ones from 4-digit number (where the hundreds change)	Deliberate Practice: Past and Present	
	M								Subtract ones from 4-digit number (where the thousands change)	CanDoTables 6x8	
	T								Subtract tens from 4-digit number (where the hundreds change)	3.17 Double 3-digit numbers	
End of Term Assessment: Remember It 2	W			KPI 18	4NF-3			Addition and Subtraction: Mental Methods Subtraction	Subtract tens from 4-digit number (where the thousands change)	3.17 Double 3-digit numbers	
	T								Subtract hundreds from 4-digit number (where the thousands change)	Deliberate Practice: Past and Present	
	F								Subtract 3-digit number from 4-digit number using rounding to the nearest hundred and then compensating	Deliberate Practice: Past and Present	
	M								Subtract 3-digit number from 4-digit number using rounding to the nearest hundred and then compensating	CanDoTables 6x9	
End of Term Assessment: Remember It 2	T					KPI 18	4NF-3	Addition and Subtraction: Mental Methods Subtraction	Subtract by finding the difference between two 4-digit numbers by counting on	3.21 Halve 3-digit numbers	
	W								Extra Problem Solving	3.21 Halve 3-digit numbers	
	T								Extra Problem Solving	Deliberate Practice: Past and Present	
	F								End of Term Assessment: Remember It 2	Deliberate Practice: Past and Present	
								CanDoTables 6x12			



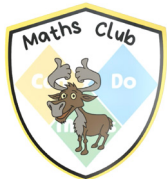
Year 4 Term 3

Term 3. W/c		KPI	DIE RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check						
04/01/2022	M	KPI: 9, 10, 20	4NF-1	Multiplication and Division: Multiplication Tables	Remember This?	7 x tables facts						
	T				Build the 11x table and count in steps of 11 from zero							
	W				Recall and use multiplication facts for the 11 times table							
	T				Recall and use division facts for the 11 times table							
10/01/2022	F			KPI: 11	3AS-3, 3NF-3		Multiplication and Division: Multiplication Tables	Build the 12x table and count in steps of 12 from zero	7 x tables facts			
	M							Recall and use multiplication facts for the 12 times table				
	T							Recall and use division facts for the 12 times table				
	W							Use knowledge of factor pairs (commutativity) when multiplying mentally three numbers together, such as $2 \times 6 \times 5 = 10 \times 6 = 60$				
17/01/2022	T						KPI: 11	3AS-3, 3NF-3		Addition and Subtraction: Written Methods Addition	Extra Problem solving	7 x tables facts
	F										Extra Problem solving	
	M										Remember This?	
	T										Add two 4-digit numbers, no regrouping	
24/01/2022	W	KPI: 11	3AS-3, 3NF-3			Addition and Subtraction: Written Methods Addition				Use column addition for two 4-digit numbers when regrouping is required in the ones column	7 x tables facts	
	T									Use column addition for two 4-digit numbers when regrouping is required in the hundreds column		
	F									Use column addition for two 4-digit numbers when regrouping is required in multiple columns		
	M									Use column addition for two 3-digit numbers where the sum exceeds 1000		
31/01/2022	W			KPI: 11	3AS-3, 3NF-3	Addition and Subtraction: Written Methods Subtraction			Use column addition for 4-digit and 3-digit numbers when regrouping is required in multiple columns	7 x tables facts		
	T								Extra Problem solving			
	F								Extra Problem solving			
	M								Extra Problem solving			
07/02/2022	T					KPI: 11	3AS-3, 3NF-3	Addition and Subtraction: Written Methods Subtraction	Remember This?			7 x tables facts
	W								Subtract a 4-digit number from a 4-digit number, no exchanging			
	T								Use column subtraction for 4-digit numbers when exchanging is required in the tens column			
	F								Use column subtraction for 4-digit numbers when exchanging is required in the hundreds column			
14/02/2022	M	KPI: 11	3AS-3, 3NF-3					Addition and Subtraction: Written Methods Subtraction	Use column subtraction for 4-digit numbers when exchanging is required in the thousands column		7 x tables facts	
	T								Use column subtraction for 4-digit numbers when exchanging is required in multiple columns			
	W								Use column subtraction for 4-digit and 3-digit numbers when exchanging is required in multiple columns			
	F								Use column subtraction for 4-digit and 2-digit numbers when exchanging is required in multiple columns			
					Extra Problem solving			7 x tables facts				
					Remember This?							
					End of Term Assessment: Remember It 3							
Half Term												



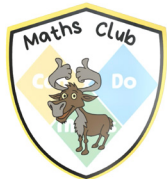
Year 4 Term 4

Term 4. W/c		KPI	D/E RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24
28/02/2022	M	KPI 12, 13	4MD-3, 5MD-3	Multiplication and Division	Remember This?	9 x tables facts	4.8 Choose appropriate methods to add
	T				Multiply 1-digit numbers by multiples of 10 using place value (6, 7, 9)		4.18 Double and halve numbers
	W				Use the distributive law to multiply a two-digit number by a one-digit number (6, 7, 9)		Deliberate Practice: Past and Present
	T				Multiply 2-digit number by a 1-digit number using a formal written method (6, 7, 9)		Deliberate Practice: Past and Present
07/03/2022	F	KPI 14, 15	5MD-3	Multiplication and Division	Multiply 1 and 2-digit numbers by 100	9 x tables facts	4.8 Choose appropriate methods to add
	M				Multiply 3-digit number by a 1 digit number using a formal written method (regroup ones)		4.18 Double and halve numbers
	T				Multiply 3-digit number by a 1 digit number using a formal written method (regroup tens)		Deliberate Practice: Past and Present
	W				Multiply 3-digit number by a 1 digit number using a formal written method (regroup hundreds)		Deliberate Practice: Past and Present
14/03/2022	T	KPI 1, 5	5MD-3	Multiplication and Division	Multiply 3-digit number by a 1 digit number using a formal written method (multiple regroup)	9 x tables facts	4.8 Choose appropriate methods to add
	F				Divide multiples of ten by 10		4.18 Double and halve numbers
	M				Divide multiples of a hundred by 100		Deliberate Practice: Past and Present
	T				Use known facts and place value when dividing mentally e.g. $120 \div 6$, $1200 \div 6$, $1320 \div 12$		Deliberate Practice: Past and Present
21/03/2022	W	KPI 1, 5	5MD-3	Multiplication and Division	Divide near multiples by 6, 7, 9, 11 and 12 with remainders	9 x tables facts	4.8 Choose appropriate methods to add
	F				Divide 3-digit number by a single digit number using partitioning and place value		4.12 Choose appropriate methods to subtract
	M				Use written method to divide a 3-digit number by a single digit number (hundreds = multiple of divisor, tens > divisor) with no remainder		4.24. Divide 3 digit numbers by 1 digit numbers
	T				Use written method to divide a 3-digit number by a single digit number (hundreds > divisor, one exchange) with no remainder		Deliberate Practice: Past and Present
28/03/2022	W	KPI 16	(3G-1, 4G-2)	Geometry: Properties of Shapes (Angles)	Use written method to divide a 3-digit number by a single digit number (hundreds < divisor) with no remainder	12 x tables facts	4.12 Choose appropriate methods to subtract
	T				Extra Problem Solving		4.24. Divide 3 digit numbers by 1 digit numbers
	F				Extra Problem Solving		Deliberate Practice: Past and Present
	M				Remember This?		Deliberate Practice: Past and Present
04/04/2022	T	KPI 16	(3G-1, 4G-2)	Geometry: Properties of Shapes (Angles)	Identify acute angles	12 x tables facts	4.12 Choose appropriate methods to subtract
	W				Identify obtuse angles		4.24. Divide 3 digit numbers by 1 digit numbers
	T				Identify acute angles in shapes		Deliberate Practice: Past and Present
	F				Identify obtuse angles in shapes		Deliberate Practice: Past and Present
04/04/2022	M	KPI 16	(3G-1, 4G-2)	Geometry: Properties of Shapes (Angles)	Compare angles up to two right angles in size	12 x tables facts	4.12 Choose appropriate methods to subtract
	T				Order angles up to two right angles in size		4.24. Divide 3 digit numbers by 1 digit numbers
	W				Extra Problem Solving		Deliberate Practice: Past and Present
	T				Extra Problem Solving		Deliberate Practice: Past and Present
					End of Term Assessment: Remember It 4		CanDoTables 12 x 12
Easter Break							



Year 4 Term 5

Term 5. W/c		KPI	D/E RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24
25/04/2022	M	KPI 17	5NPV-1, 2	Decimals	Recognise that hundredths arise from dividing a number (or object) into one hundred equal parts and dividing tenths by ten		12 x tables facts
	T				Read and represent a number with 2 decimal places	4.21 Multiply 3 digit numbers by 1 digi ntnumbers; efficient methods	
	W				Count up in hundredths	Deliberate Practice: Past and Present	
	T				Count down in hundredths	Deliberate Practice: Past and Present	
02/05/2022	F	KPI 17	5NPV-1, 2	Decimals	Divide a one-digit number by 100	12 x tables facts	CanDoTables 12 x 8
	M				Bank Holiday		4.21 Multiply 3 digit numbers by 1 digi ntnumbers; efficient methods
	T				Divide a two-digit number by 10		Deliberate Practice: Past and Present
	W				Divide a two-digit number by 100		Deliberate Practice: Past and Present
09/05/2022	T	KPI 18	4F-3	Decimals	Compare numbers with 1 dp	11 x tables facts	CanDoTables 12 x 7
	F				Compare numbers with 2dp		4.19 Use place value and known facts to multiply mentally
	M				Order numbers with the same number of decimal places		4.21 Multiply 3 digit numbers by 1 digi ntnumbers; efficient methods
	T				Round numbers with 1dp to nearest whole number		Deliberate Practice: Past and Present
16/05/2022	W	KPI 19	5F-2	Fractions:Calculating	Convert from pence to pounds	11 x tables facts	Deliberate Practice: Past and Present
	T				Convert from pounds to pence		Deliberate Practice: Past and Present
	F				Extra Problem Solving		CanDoTables 12 x 11
	M				Remember This?		4.2 Order decimal numbers and position them on a number line
23/05/2022	T	KPI 18	4F-3	Fractions	Add fractions with the same denominator within and beyond one whole	11 x tables facts	4.4 Round numbers with one dp to the nearest whole number
	W				Subtract fractions with the same denominator within and beyond one whole		Deliberate Practice: Past and Present
	T				Calculate a unit fraction of an amount when the answer is a whole number		Deliberate Practice: Past and Present
	F				Calculate a non-unit fraction of an amount when the answer is a whole number		CanDoTables 11 x 11
23/05/2022	M	KPI 19	5F-2	Fractions	Identify equivalent fractions using diagrams	11 x tables facts	4.2 Order decimal numbers and position them on a number line
	T				Find families of equivalent fractions		4.4 Round numbers with one dp to the nearest whole number
	W				Know and use the decimal equivalents to 1/4, 1/2, 3/4		Deliberate Practice: Past and Present
	T				Extra Problem Solving		Deliberate Practice: Past and Present
					End of Term Assessment: Remember It 5		CanDoTables 11 x 12
Half Term							



Year 4 Term 6

Term 6. W/c		KPI	D/E RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24
06/06/2022	M	KPI 21		Addition and Subtraction: Decimals	Use mental strategies to add numbers with 1 dp	7 x tables facts	4.2 Order decimal numbers and position them on a number line
	T				Use mental strategies to add numbers with 2 dp		4.4 Round numbers with one dp to the nearest whole number
	W				Use columnar addition for numbers with 2 decimal places with regrouping (carrying) required		Deliberate Practice: Past and Present
	T				Use mental strategies to subtract numbers with 1 dp		Deliberate Practice: Past and Present
13/06/2022	F	KPI 24		Measurement: Time and Converting Units	Use mental strategies to subtract numbers with 2 dp	7 x tables facts	4.5 Use number facts to add
	M				Use columnar subtraction for numbers with 2 decimal places with exchanging required		4.22 Divide whole numbers and decimals by 100
	T				Extra Problem Solving		Deliberate Practice: Past and Present
	W				Convert 12-hour digital time to 24-hour time		Deliberate Practice: Past and Present
20/06/2022	T			Measurement: Time and Converting Units	Convert from 12-hour analogue time to 24-hour time	7 x tables facts	CanDoTables 7x12
	F				Convert from 24-hour time to 12-hour analogue time		4.5 Use number facts to add
	M				Convert from hours to minutes		4.22 Divide whole numbers and decimals by 100
	T				Convert from weeks to days		Deliberate Practice: Past and Present
27/06/2022	W	KPI 22	(5G-2)	Measurement: Perimeter and Area	Convert from years to months	9 x tables facts	Deliberate Practice: Past and Present
	T				Convert from litres to millilitres		Deliberate Practice: Past and Present
	F				Convert from kilograms to grams		CanDoTables 9 x 4
	M				Convert from kilometres to metres		4.5 Use number facts to add
04/07/2022	T	KPI 23	4G-1	Geometry: Position and Direction	Measure and calculate the perimeter of 2D shapes when dimensions are unknown	12 x tables facts	4.22 Divide whole numbers and decimals by 100
	W				Calculate the perimeter of rectangles (including squares)		Deliberate Practice: Past and Present
	T				Calculate the perimeter of other rectilinear shapes when dimensions are known		Deliberate Practice: Past and Present
	F				Find the area of rectangles (including squares) by counting squares		CanDoTables 9 x 12
11/07/2022	M			Geometry: Position and Direction	Find the area of other rectilinear shapes by counting squares	12 x tables facts	4.10 Find the difference between two numbers
	T				Extra Problem Solving		4.6 Round and adjust to add numbers
	W				Use coordinates to describe the position of a point in the first quadrant		Deliberate Practice: Past and Present
	T				Plot points in the first quadrant using coordinates		Deliberate Practice: Past and Present
18/07/2022	F			Statistics	Use coordinates to plot a set of points to construct a polygon	12 x tables facts	CanDoTables 12 x 6
	M				Describe movements between positions as translations of a given unit to the left/right		4.10 Find the difference between two numbers
	T				Describe movements between positions as translations of a given unit up/down		4.6 Round and adjust to add numbers
	W				Describe movements between positions as translations of a given unit to the left/right and up/down		Deliberate Practice: Past and Present
End of Term Assessment: Remember It 6	T				Extra Problem Solving	12 x tables facts	Deliberate Practice: Past and Present
	F				Remember This?		CanDoTables 12 x 3
	M				Interpret bar charts with different scales on the frequency axis		4.10 Find the difference between two numbers
	T				Construct a bar chart with different scales on the frequency axis		4.6 Round and adjust to add numbers
Summer Holiday	W				Interpret a time graph	12 x tables facts	Deliberate Practice: Past and Present
	T				Construct a time graph		Deliberate Practice: Past and Present
	F				End of Term Assessment: Remember It 6		CanDoTables 12 x 4
	M				End of Term Assessment: Remember It 6		