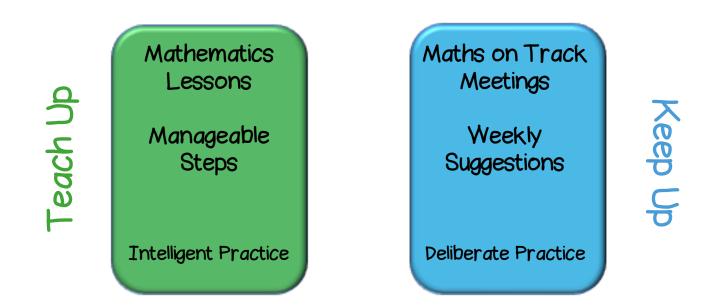




Year 4

Termly Plans Academic Year 2023 - 2024



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Introduction

This termly plan has two main sections: Maths lessons and Maths on Track meetings.

The Maths lessons have been carefully designed to support you to plan for successful learning of the year's maths based on the National Curriculum. The maths curriculum has been broken down into manageable steps

Manageable to teach and manageable to learn.

The 'Extra Problem Solving' lessons provide flexibility within the timing of the plan for you to make decisions to adopt and adapt the CanDo termly plans to fit your own school calendar. They are an ideal opportunity for children to apply their understanding to new situations or check prerequisite knowledge before starting new learning. The Colin and Coco Challenges within each unit can be used to resource these sessions.

End of Term Assessment: 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. There are QLA Spreadsheets provided to diagnostically analyse results and inform planning for the next term.

Retrieval practice – the process of recalling previously learnt material from our long-term memory – benefits pupils' learning (EEF). The Maths on Track meetings are an essential element in the CanDoMaths curriculum plan and the blue section provides suggestions for these 'Use It or Lose It' retrieval sessions each day:-.

- Monday and Tuesday have an arithmetic focus based on the Magic 24 from the CanDoMaths ArithmeKit.

Wednesday and Thursday are to deliberately practise past and present learning to secure sustainable progress.
CanDoMaths Deliberate Practice, Retrieve It and KeePuppI workouts provide resources for these sessions.
Friday is time to really hit a number fact hard. CanDoBonds, CanDoTables and CanDo21 are resources that would support these sessions. Of course Friday is not the only time for number facts so the fact column suggests prioritising number bonds/tables throughout the week.

The CanDoMaths curriculum has 24 Key Performance Indicators in each year group. The KPI column identifies when the learning is linked to the KPI.

The DFE RTP column links the CanDoMaths KPIs to the DFE Ready to Progress criteria.

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Term 1 W/c	DfE RTP		Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Eact Chack	Maths on Track: Deliberate Practice Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It
01/09/2023 F			TDD		
M	2		Represent 4-digit numbers	¥	Ready to Progress Paper 1
T 🚍	/- J	Number and Place	Recognise the value of digits in 4-digit numbers	for	Ready to Progress Paper 2
04/09/2023 W 보	4NPV-	Value	Read 4-digit numbers in words and write using numerals	ald	Deliberate Practice: Past and Present
Т	4	Value	Read 4-digit numbers in numerals and write in words	x to	Deliberate Practice: Past and Present/KPI Workout
F			Read 4-digit numbers in words and write using numerals including zero as a place holder	~	CanDoTables 3x8
M			Read 4-digit numbers in numerals and write in words, including zero as a place holder	¥	3.2 Use place value to find 10 and 100 more or less than 3-digit numbers
Т		Number and Place	Identify 4-digit numbers on a number line	for	3.2 Use place value to find 10 and 100 more or less than 3-digit numbers
11/09/2023 W		Value	Represent 4-digit numbers on a number line	ald	Deliberate Practice: Past and Present
Т		Value	Count in multiples of 25	x + c	Deliberate Practice: Past and Present/Retrievelt
F			Count up in multiples of 1000 from any number	A	CanDoTables 4x6
Μ			Find 1000 more than a given number	*	3.7 Use rounding to add near multiples of 10
T	-3	Number and Place	Find 1000 less than a given number	for	3.7 Use rounding to add near multiples of 10
18/09/2023 W 🚊	4NPV-	Value	Compare two 4-digit numbers	qq	Deliberate Practice: Past and Present
ΤŤ	4 V		Order 4-digit numbers with different thousands	x to	Deliberate Practice: Past and Present/KPI Workout
F			Order 4-digit numbers with the same thousands	A	CanDoTables 4x7
M		Number and Place Value	Round 2-digit numbers to the nearest 10	¥	3.11 Use rounding to subtract a near multiple of 10
T _	ς-		Round 3-digit numbers to the nearest 10	for	3.11 Use rounding to subtract a near multiple of 10
25/09/2023 W 🔁	4NPV-		Round 4-digit numbers to the nearest 10	ald	Deliberate Practice: Past and Present
Т	4		Round 3-digit numbers to the nearest 100	x to	Deliberate Practice: Past and Present/Retrievelt
F			Round 3 and 4-digit numbers to the nearest 100	A	CanDoTables 4x8
M		Geometry: Properties of Shapes	Round 4-digit numbers to the nearest 1000	¥	3.5 Partition the second number to add 10s then 1s including bridging
Т			Count backwards through zero to include negative numbers	for	3.5 Partition the second number to add 10s then 1s including bridging
02/10/2023 W			Extra Problem Solving	ald	Deliberate Practice: Past and Present
Т		shapes	Identify and describe an equilateral triangle	x to	Deliberate Practice: Past and Present/KPI Workout
F 7	-3	2	Identify and describe an isosceles triangle	α.	CanDoTables 8x6
M 💆	4G-		Identify and describe a scalene triangle	4	3.1 Partition the second number to subtract 10s then 1s including bridging
Т		Geometry: Properties of Shapes	Identify and describe a parallelogram	fac	3.1 Partition the second number to subtract 10s then 1s including bridging
09/10/2023 W			Identify and describe a rhombus	ald	Deliberate Practice: Past and Present
Т		Shapes	Identify and describe a trapezium	x + c	Deliberate Practice: Past and Present/Retrievelt
F			Identify and describe a kite	a	CanDoTables 8x7
M			Identify lines of symmetry of a 2D shape	4	3.9 Subtract numbers by finding the difference between them
Т		Geometry: Properties of	Identify a line of symmetry of a pattern and for a diagram of a reflection	for	3.9 Subtract numbers by finding the difference between them
16/10/2023 W		Shapes	Use a line of symmetry to complete a symmetrical shape	q	Deliberate Practice: Past and Present
T			Extra Problem Solving	x to	Deliberate Practice: Past and Present/KPI Workout
F			End of Term Assessment: Remember It 1	a	CanDoTables 8x8

Read Roman numerals to 100						
Classify 2D shapes						
Use a line of symmetry to produce a symmetrical pattern						

Due to the length of Term 1 being shorter for the academic year 2023/24, these manageable steps have been removed from the termly plan for maths lessons. They can be addressed in Maths on Track Meetings.



Term 2. W/o	c KPI	DfE RTP		Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Fact Check	Access Pass and Use It or Lose It	
30/10/2023	M T W T		Multiplication and Division: Multiplication Tables	Extra Problem Solving Build the 6x table and count in steps of 6 and multiples of 6 from zero Recall and use multiplication facts for the 6 times table Recall and use division facts for the 6 times table Build the 9x table and count in steps of 9 and multiples of 9 from zero	6 x tables facts	3.18 Multiply numbers by 10 using place value 3.18 Multiply numbers by 10 using place value Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 6x3	
	4 T M T W -	4NF-1	Multiplication and Division: Multiplication Tables	Recall and use multiplication facts for the 7 times table Recall and use multiplication facts for the 7 times table Recall and use multiplication facts for the 7 times table Recall and use multiplication facts for the 7 times table Recall and use division facts for the 7 times table Recall and use division facts for the 7 times table Recall and use division facts for the 7 times table	6 x tables facts	3.22 Divide whole numbers by 10 using place value 3.22 Divide whole numbers by 10 using place value Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 6x4	
13/11/2023	M T W T		Multiplication and Division	Know and use the effect of multiplying by 0 Know and use the effect of multiplying by 1 Know and use the effect of dividing by 1 Extra Problem Solving Extra Problem Solving	6 x tables facts	3.19 Multiply numbers by a multiple of 10 using place value 3.19 Multiply numbers by a multiple of 10 using place value Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 6x6	
20/11/2023	T	ę-	Addition and Subtraction: Mental Methods Addition	Add ones to 4-digit numbers (where the thousands change) Add tens to 4-digit numbers (where the hundreds change) Add tens to 4-digit numbers (where the thousands change) Add hundreds to 4-digit numbers (where the thousands change) Add 3-digit number to 4-digit number using rounding to the nearest hundred and then compensating	6 x tables facts	3.23 Divide whole numbers by a multiple of 10 using place value 3.23 Divide whole numbers by a multiple of 10 using place value Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 6x7	
	M Z	4NF-	Addition and Subtraction: Mental Methods Addition	Add two 4-digit numbers using rounding to the nearest thousand and then compensating Add two 3-digit numbers where the sum exceeds 1000, choosing an efficient mental strategy Extra Problem Solving Extra Problem Solving Subtract ones from 4-digit number (where the hundreds change)	6 x tables facts	3.20 Use partitioning and known facts to multiply 2-digit by 1-digit numbers 3.24 Use partitioning and known facts to divide 2-digit by 1-digit numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 6x8	
04/12/2023	Т	4NF-3		Addition and Subtraction:Mental Methods Subtraction	Subtract ones from 4-digit number (where the thousands change) Subtract tens from 4-digit number (where the hundreds change) Subtract tens from 4-digit number (where the thousands change) Subtract hundreds from 4-digit number (where the thousands change) Subtract 3-digit number from 4-digit number using rounding to the nearest hundred and then compensating	6 x tables facts	3.17 Double 3-digit numbers 3.17 Double 3-digit numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 6x9
11/12/2023	T	4NI	Addition and Subtraction:Mental Methods Subtraction	Subtract 4-digit number from a 4-digit number using rounding to the nearest thousand and then compensating Subtract by finding the difference between two 4-digit numbers by counting on Extra Problem Solving Extra Problem Solving End of Term Assessment: Remember It 2	6 x tables facts	3.21 Halve 3-digit numbers 3.21 Halve 3-digit numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 6x12	



Term 3. W/c	DfE RTP		Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Fact Check	
02/01/2024 F <u>02/01/2024</u>	F-1	Multiplication and Division: Multiplication Tables	Extra Problem Solving Build the 11x table and count in steps of 11 from zero Recall and use multiplication facts for the 11 times table Recall and use division facts for the 11 times table	7 x tables facts	4.3 Round numbers to the nearest 10, 100 or 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 7x3
08/01/2024 W F	4NF	Multiplication and Division: Multiplication Tables	Build the 12x table and count in steps of 12 from zero Recall and use multiplication facts for the 12 times table Recall and use division facts for the 12 times table Use knowledge of factor pairs (commutativity) when multiplying mentally three numbers together, such as 2 x 6 x 5 = 10 x 6 = 60 Extra Problem Solving	7 x tables facts	4.13 Recall and use facts for the 6x table 4.3 Round numbers to the nearest 10, 100 or 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 7x4
15/01/2024 W T F		Subtraction: Written Methods	Add two 4-digit numbers, no regrouping Use column addition for two 4-digit numbers when regrouping is required in the ones column Use column addition for two 4-digit numbers when regrouping is required in the tens column Use column addition for two 4-digit numbers when regrouping is required in the hundreds column Use column addition for two 4-digit numbers when regrouping is required in multiple columns	7 × tables facts	4.13 Recall and use facts for the 6x table 4.3 Round numbers to the nearest 10, 100 or 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 7x6
22/01/2024 W T F =	3NF-3	Addition and Subtraction: Written Methods Addition	Use column addition for two 3-digit numbers where the sum exceeds 1000 Use column addition for 4-digit and 3-digit numbers when regrouping is required in multiple columns Use column addition for 4-digit and 2-digit numbers when regrouping is required in multiple columns Extra Problem Solving Extra Problem Solving	7 × tables facts	4.13 Recall and use facts for the 6x table 4.1 Order numbers beyond 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 7x7
29/01/2024 W F	3AS-3, 3	Addition and Subtraction: Written Methods Subtraction	Subtract a 4-digit number from a 4-digit number, no exchanging Use column subtraction for 4-digit numbers when exchanging is required in the tens column Use column subtraction for 4-digit numbers when exchanging is required in the hundreds column Use column subtraction for 4-digit numbers when exchanging is required in the thousands column Use column subtraction for 4-digit numbers when exchanging is required in the thousands column Use column subtraction for 4-digit numbers when exchanging is required in multiple columns	7 × tables facts	4.17 Recall and use facts for the 7x table 4.1 Order numbers beyond 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 7x8
05/02/2024 W T F		Addition and Subtraction: Written Methods Subtraction	Use column subtraction for 4-digit and 3-digit numbers when exchanging is required in multiple columns Use column subtraction for 4-digit and 2-digit numbers when exchanging is required in multiple columns Extra Problem Solving Extra Problem Solving End of Term Assessment: Remember It 3 Half Term	7 x tables facts	4.17 Recall and use facts for the 7x table 4.1 Order numbers beyond 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 7x9



		Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Fact Chec	Maths on Track: Deliberate Practice Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It
19/02/2024	Multiplication and Division	Extra Problem Solving Multiply 1-digit numbers by multiples of 10 using place value (6, 7, 9) Use the distributive law to multiply a two-digit number by a one-digit number (6, 7, 9) Multiply 2-digit number by a 1-digit number using a formal written method (6, 7, 9) Multiply 1 and 2-digit numbers by 100	9 x tables facts	4.8 Choose appropriate methods to add 4.18 Double and halve numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 9 x 6
26/02/2024 W F	Multiplication and Division	Multiply 3-digit number by a 1 digit number using a formal written method (regroup ones) Multiply 3-digit number by a 1 digit number using a formal written method (regroup tens) Multiply 3-digit number by a 1 digit number using a formal written method (regroup hundreds) Multiply 3-digit number by a 1 digit number using a formal written method (multiple regroup) Divide multiples of ten by 10	9 x tables facts	4.8 Choose appropriate methods to add 4.18 Double and halve numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 9 x 7
04/03/2024 W T F C C C	Multiplication and Division	Divide multiples of a hundred by 100 Use known facts and place value when dividing mentally e.g. 120 ÷ 6, 1200÷ 6, 1320÷ 12 Divide near multiples by 6, 7, 9, 11 and 12 with remainders Divide 3-digit number by a single digit number using partitioning and place value Use written method to divide a 3-digit number by a single digit number (hundreds = multiple of divisor, tens > divisor) with no remainder	9 x tables facts	Ready to Progress Paper 3 4.18 Double and halve numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 9 x 8
F Y OWS M T T 11/03/2024 W T F F F	Multiplication and Division	Use written method to divide a 3-digit number by a single digit number (hundreds > divisor, one exchange) with no remainder Use written method to divide a 3-digit number by a single digit number (hundreds > divisor, two exchanges) with no remainder Use written method to divide a 3-digit number by a single digit number (hundreds < divisor) with no remainder Use written method to divide a 3-digit number by a single digit number (hundreds < divisor) with no remainder Extra Problem Solving Extra Problem Solving	9 x tables facts	4.12 Choose appropriate methods to subtract 4.24. Divide 3 digit numbers by 1 digit numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 9 x 9
18/03/2024 W F F	Geometry: Properties of Shapes (Angles)	Extra Problem Solving Extra Problem Solving Identify acute angles Identify acute angles in shapes Identify acute angles in shapes Identify obtuse angles in shapes	12 x tables facts	A.12 Choose appropriate methods to subtract A.24. Divide 3 digit numbers by 1 digit numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 12 x 12
25/03/2024 M T F	Geometry: Properties of Shapes (Angles)	Compare angles up to two right angles in size Order angles up to two right angles in size Extra Problem Solving End of Term Assessment: Remember It 4 Easter Break	12 x tables facts	4.12 Choose appropriate methods to subtract 4.24. Divide 3 digit numbers by 1 digit numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt



Term 5. W/c	DÆRTP		Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Fact Check	Access Bass and Use It or Lose It
15/04/2024 W T F		Decimals	Recognise that hundredths arise from dividing a number (or object) into one hundred equal parts and dividing tenths by ten Read and represent a number with 2 decimal places Count up in hundredths Count down in hundredths Divide a one-digit number by 100	12 x tables facts	4.19 Use place value and known facts to multiply mentally 4.21 Multiply 3 digit numbers by 1 digi tnumbers; efficient methods Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 12 x 8
22/04/2024 W T F	5NPV-1, 2	Decimals	Divide a two-digit number by 10 Divide a two-digit number by 100 Compare numbers with 1dp Compare numbers with 2dp Order numbers with the same number of decimal places	12 x tables facts	4.19 Use place value and known facts to multiply mentally 4.21 Multiply 3 digit numbers by 1 digi tnumbers; efficient methods Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 12 x 7
29/04/2024 W T F		Decimals	Round numbers with 1 dp to nearest whole number Convert from pence to pounds Convert from pounds to pence Extra Problem Solving Extra Problem Solving	11 x tables facts	4.19 Use place value and known facts to multiply mentally 4.21 Multiply 3 digit numbers by 1 digi tnumbers; efficient methods Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 12 x 11
06/05/2024 W F	4F-3	Fractions:Calculating	Bank Holiday Add fractions with the same denominator within and beyond one whole Subtract fractions with the same denominator within and beyond one whole Calculate a unit fraction of an amount when the answer is a whole number Calculate a non-unit fraction of an amount when the answer is a whole number	11 x tables facts	4.4 Round numbers with one dp to the nearest whole number Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 11 x 11
M 13/05/2024 T F	5F-2	Fractions	Identify equivalent fractions using diagrams Find families of equivalent fractions Know and use the decimal equivalents to 1/4, 1/2, 3/4 Extra Problem Solving End of Term Assessment: Remember It 5	11 x tables facts	4.2 Order decimal numbers and position them on a number line 4.4 Round numbers with one dp to the nearest whole number Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 11 x 12
20/05/2024 W T F		See Term 6	For the academic year 2023-2024 see week 1 of Term 6 for manageable steps	Bonds of 8	
			Half Term		



Term 6. W/c	KPI DfE RTP		Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Maths on Track: Deliberate Practice Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It
M T 20/05/2024 W T	KPI 21	Addition and Subtraction: Decimals (In 2023-2024 to be taught in the last week of	Use mental strategies to add numbers with 1 dp Use mental strategies to add numbers with 2 dp Use columnar addition for numbers with 2 decimal places with regrouping (carrying) required Use mental strategies to subtract numbers with 1 dp	4.2 Order decimal numbers and position them on a number line 4.4 Round numbers with one dp to the nearest whole number Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout
F		term 5)	Use mental strategies to subtract numbers with 2 dp	CanDoTables 7x5
M T	24	Measurement: Time and	Use columnar subtraction for numbers with 2 decimal places with exchanging required Extra Problem Solving	4.5 Use number facts to add 4.22 Divide whole numbers and decimals by 100
03/06/2024 W T	KPI	Converting Units	Convert 12-hour digital time to 24-hour time Convert from 12-hour analogue time to 24-hour time	Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt
F M			Convert from 24-hour time to 12-hour analogue time Convert from hours to minutes	CanDoTables 7x12 4.5 Use number facts to add
10/06/2024 W T		Measurement: Time and Converting Units	Convert from weeks to days Convert from years to months Convert from litres to millilitres	4.22 Divide whole numbers and decimals by 100 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout
F			Convert from kilograms to grams Convert from kilograms to grams	CanDoTables 9 x 4 4 4.5 Use number facts to add
17/06/2024 W T	KPI 22 (5G-2)	Measurement: Perimeter and Area	Measure and calculate the perimeter of 2D shapes when dimensions are unknown Calculate the perimeter of rectangles (including squares) Calculate the perimeter of other rectilinear shapes when dimensions are known	4.22 Divide whole numbers and decimals by 100 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt
F			Find the area of other rectilinear shapes by counting squares	CanDoTables 9 x 12
24/06/2024 W T	KPI 23 4G-1	Geometry: Position and Direction	Extra Problem Solving Use coordinates to describe the position of a point in the first quadrant Plot points in the first quadrant using coordinates Use coordinates to plot a set of points to construct a polygon	4.6 Round and adjust to add numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 12 x 6
01/07/2024 W		Geometry: Position and Direction	Describe movements between positions as translations of a given unit to the left/right Describe movements between positions as translations of a given unit up/down Describe movements between positions as translations of a given unit to the left/right and up/down Extra Problem Solving	4.10 Find the difference between two numbers 4.6 Round and adjust to add numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt
F M T			Extra Problem Solving Interpret bar charts with different scales on the frequency axis Construct a bar chart with different scales on the frequency axis	CanDoTables 12 x 3 4.10 Find the difference between two numbers 4.6 Round and adjust to add numbers
8/07/2024 W T F		Statistics	Interpret a time graph Construct a time graph End of Term Assessment: Remember It 6	Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 12 x 4
5/07/2024 W		Extra Problem Solvina	Extra Problem Solving Extra Problem Solving Extra Problem Solving	Ready to Progress Paper 4 4.6 Round and adjust to add numbers Deliberate Practice: Past and Present
T F		Land Hobien Joiving	Extra Problem Solving Extra Problem Solving Extra Problem Solving Extra Problem Solving	Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDoTables 12 x 7
22/07/2024 M T			TDD TDD Summer Holiday	