



# Year 5

## Termly Plans Academic Year 2020 - 2021

Teach Up

Mathematics  
Lessons

Manageable  
Steps

Intelligent Practice

Maths on Track  
Meetings

Weekly  
Suggestions

Deliberate Practice

Keep Up



# Year 5 Term 1

Term 1 W/c		Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check
01/09/2020	M	Number and Place Value	TDD	
	T		Remember This?	ArithmeCheck 4
	W		Represent 5-digit numbers	Deliberate Practice: Past and Present
	T		Recognise the value of digits in 5-digit numbers	Deliberate Practice: Past and Present
07/09/2020	F	Number and Place Value	Read 5-digit numbers in words and write using numerals including zero as a place holder	CanDoTables 6x6
	M		Identify and represent 5-digit numbers on a number line	4.1 Order numbers beyond 1000 and position them on a number line
	T		Compare 5-digit numbers	4.1 Order numbers beyond 1000 and position them on a number line
	W		Represent numbers up to one million	Deliberate Practice: Past and Present
14/09/2020	F	Number and Place Value	Recognise the value of digits in numbers up to one million	Deliberate Practice: Past and Present
	M		Read 6-digit numbers in words and write using numerals including zero as a place holder	CanDoTables 6x7
	T		Read 6-digit numbers in numerals and write in words, including zero as a place holder	4.3 Round numbers to the nearest 10, 100 or 1000
	W		Identify and represent 6-digit numbers on a number line	4.3 Round numbers to the nearest 10, 100 or 1000
21/09/2020	T	Number and Place Value	Compare 6-digit numbers	Deliberate Practice: Past and Present
	F		Order numbers up to one million	Deliberate Practice: Past and Present
	M		Round any 5-digit number to the nearest 10 000	CanDoTables 7x7
	T		Round any 6-digit number to the nearest 100 000	4.5 Use number facts to add
28/09/2020	W	Decimals	Count forwards and backwards in whole number steps including through zero	4.9 Use number facts to subtract
	T		Understand and use negative numbers in context, including temperatures below 0°C	Deliberate Practice: Past and Present
	F		Read Roman numerals to 1000 (M)	Deliberate Practice: Past and Present
	M		Recognise years written in Roman numerals	CanDoTables 7x8
05/10/2020	T	Decimals	Extra Problem Solving	4.2 Order decimal numbers and position them on a number line
	W		Recognise that thousandths arise from dividing a number (or object) into one thousand equal parts and dividing hundredths by ten	4.2 Order decimal numbers and position them on a number line
	T		Read a number with three decimal places	Deliberate Practice: Past and Present
	F		Represent decimal numbers with up to 3 decimal places	Deliberate Practice: Past and Present
12/10/2020	M	Decimals	Write decimal equivalents of any number of thousandths	CanDoTables 8x6
	T		Identify decimal numbers, with up to 3 decimal places, on a number line	4.4 Round decimals with 1 decimal place to the nearest whole number
	W		Position decimal numbers, with up to 3 decimal places, on a number line	4.4 Round decimals with 1 decimal place to the nearest whole number
	T		Compare a set of numbers written to three decimal places	Deliberate Practice: Past and Present
19/10/2020	F	Geometry: Properties of Shapes	Order decimal numbers with 3 decimal places	Deliberate Practice: Past and Present
	M		Compare numbers with a mixed number of decimal places	CanDoTables 8x8
	T		Order numbers with a mixed number of decimal places	4.8 Choose appropriate written or mental methods to add 4-digit numbers
	W		Round numbers with two decimal places to one decimal place	4.8 Choose appropriate written or mental methods to add 4-digit numbers
End of Term Assessment: Remember It	F	Geometry: Properties of Shapes	Round numbers with two decimal places to the nearest whole number	Deliberate Practice: Past and Present
	M		Extra Problem Solving	CanDoTables 12x6
	T		Identify cubes from nets	4.12 Choose appropriate written or mental methods to subtract numbers
	W		Identify cuboids from nets	4.12 Choose appropriate written or mental methods to subtract numbers
Half Term				



# Year 5 Term 2

Term 2. W/c		Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24		
02/11/2020	M	Addition and Subtraction	Add two whole numbers choosing an efficient mental strategy	12 x table facts	4.18 Double and halve numbers	
	T		Subtract two whole numbers choosing an efficient mental strategy		4.18 Double and halve numbers	
	W		Use column addition for two numbers with more than 4 digits when regrouping is required in multiple columns		Deliberate Practice: Past and Present	
	T		Use column subtraction for two numbers with more than 4 digits when exchanging is required in multiple columns		Deliberate Practice: Past and Present	
09/11/2020	F	Addition and Subtraction	Use column addition for numbers with 3 decimal places when regrouping is required		CanDoTables 12x8	4.19 Use place value and known facts to multiply mentally
	M		Use column subtraction for numbers with 3 decimal places when exchanging is required		4.19 Use place value and known facts to multiply mentally	
	T		Use column subtraction for numbers with 1,2 or 3 decimal places when exchanging is required		Deliberate Practice: Past and Present	
	W		Add two decimal numbers choosing an efficient strategy		Deliberate Practice: Past and Present	
16/11/2020	F	Multiplication and Division: Powers of 10	Subtract two decimal numbers choosing an efficient strategy		CanDoTables 12x11	4.23 Use place value and known facts to divide mentally
	M		Remember This?		4.23 Use place value and known facts to divide mentally	
	T		Multiply a whole number by 10		Deliberate Practice: Past and Present	
	W		Multiply a whole number by 100		Deliberate Practice: Past and Present	
23/11/2020	F	Multiplication and Division: Powers of 10	Multiply a whole number by 1000	CanDoTables 12x12	4.21 Multiply 3-digit numbers by 1-digit numbers using efficient methods	
	M		Multiply a decimal by 10	4.21 Multiply 3-digit numbers by 1-digit numbers using efficient methods		
	T		Multiply a decimal by 100	Deliberate Practice: Past and Present		
	W		Divide a whole number by 10	Deliberate Practice: Past and Present		
30/11/2020	F	Multiplication and Division: Powers of 10	Divide a whole number by 100	CanDo21 3x3	4.24 Divide 3-digit numbers by 1-digit numbers using efficient methods	
	M		Divide a whole number by 100	4.24 Divide 3-digit numbers by 1-digit numbers using efficient methods		
	T		Divide a decimal by 10	Deliberate Practice: Past and Present		
	W		Divide a decimal by 100	Deliberate Practice: Past and Present		
07/12/2020	F	Multiplication and Division: Properties of Number	Extra Problem Solving	CanDo21 3x4	5.2 Compare and order numbers up to 1,000,000	
	M		Extra Problem Solving	5.4 Round numbers to the nearest 10, 100, 1000, 10,000 and 100,000		
	T		Remember This?	Deliberate Practice: Past and Present		
	W		Find prime numbers up to 20	Deliberate Practice: Past and Present		
14/12/2020	F	Multiplication and Division: Properties of Number	Find prime and composite numbers up to 20	CanDo21 3x6	5.2 Compare and order numbers up to 1,000,000	
	M		Express a given number as the product of prime factors	5.4 Round numbers to the nearest 10, 100, 1000, 10,000 and 100,000		
	T		Know how to test if a number up to 100 is prime	Deliberate Practice: Past and Present		
	W		Find the common factors of two numbers	Deliberate Practice: Past and Present		
Christmas break	F	Multiplication and Division: Properties of Number	Find multiples of a given number	CanDo21 3x7	5.2 Compare and order numbers up to 1,000,000	
	M		Find square numbers and use the notation for squared	5.4 Round numbers to the nearest 10, 100, 1000, 10,000 and 100,000		
	T		Find cube numbers and use the notation for cubed	Deliberate Practice: Past and Present		
	W		Extra Problem Solving	Deliberate Practice: Past and Present		
			End of Term Assessment: Remember It			



# Year 5 Term 3

Term 3. W/c		Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24
04/01/2021	M	Multiplication and Division: Written Methods	TDD	3xTable RelatedFact	5.3 Compare and order decimals Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo21 3x8
	T		Remember This?		
	W		Multiply numbers up to 4-digits by a one-digit number using short multiplication		
	F		Multiply 2 digit by 2 digit numbers using the distributive law Multiply 2 digit by 2 digit numbers using long multiplication		
05/01/2021	M	Multiplication and Division: Written Methods	Multiply 3 digit numbers by 2 digit numbers using long multiplication	3xTable RelatedFact	5.3 Compare and order decimals 5.5 Round decimal numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo21 3x9
	T		Multiply 4 digit numbers by 2 digit numbers using long multiplication		
	W		Use efficient methods to multiply mentally		
	F		Use known facts and place value to multiply a whole number by a decimal Multiply a one-digit number by a decimal (1 dp) using a formal written method		
18/01/2021	M	Multiplication and Division: Written Methods	Multiply a one-digit number by a decimal (2dp) using a formal written method	4xTable RelatedFact	5.3 Compare and order decimals 5.5 Round decimal numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo21 4x4
	T		Extra Problem solving		
	W		Divide a four-digit number by a one-digit number using short division (divisor < thousands digit) with no remainder		
	F		Divide a four-digit number by a one-digit number using short division (thousands digit = multiple of divisor, divisor < hundreds digit) with no remainder Divide a four-digit number by a one-digit number using short division (divisor > thousands digit) with no remainder		
25/01/2021	M	Multiplication and Division: Written Methods	Divide a four-digit number by a one-digit number using short division (divisor < thousands digit) with a remainder	4xTable RelatedFact	5.12 Multiply by 100, 100 and 1000 5.17 Divide by 10, 100 and 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo21 4x6
	T		Divide a four-digit number by a one-digit number using short division (divisor > thousands digit) with a remainder		
	W		Extra Problem solving		
	F		EXtra Problem solving Extra Problem solving		
01/02/2021	M	Geometry: Position and Direction	Remember This?	4xTable RelatedFact	5.12 Multiply by 100, 100 and 1000 5.17 Divide by 10, 100 and 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo21 4x6
	T		Know what congruence means		
	W		Carry out a translation described using mathematical language		
	F		Carry out a reflection using a line parallel to the axes including touching the object Carry out a reflection using a line parallel to the axes and crossing the object		
08/02/2021	M	Geometry: Position and Direction	Describe a reflection	4xTable RelatedFact	5.12 Multiply by 100, 100 and 1000 5.17 Divide by 10, 100 and 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo21 4x7
	T		Extra Problem solving		
	W		Extra Problem solving		
	F		Extra Problem solving End of Term Assessment: Remember It		
<b>Half Term</b>					



# Year 5 Term 4

Term 4. W/c		Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24					
22/02/2021	M	Fractions, Decimals and Percentages	Remember This?		4xTable RelatedFact	4.6 Use place value or adjusting to add numbers mentally				
	T		Compare fractions whose denominators are multiples of the same number							
	W		Order fractions whose denominators are multiples of the same number							
	T		Identify equivalent fractions represented visually							
	F		Identify equivalent fractions represented using tenths and hundredths							
01/03/2021	M	Fractions, Decimals and Percentages	Write a number less than 1 with one decimal place as a fraction				4xTable RelatedFact	4.6 Use place value or adjusting to add numbers mentally		
	T		Write a number less than 1 with two decimal places as a fraction							
	W		Write a number less than 1 with three decimal places as a fraction							
	T		Understand that per cent relates to number of parts per hundred							
	F		Write any percentage as a fraction with a denominator of 100							
08/03/2021	M	Fractions, Decimals and Percentages	Write any percentage as a decimal						4xTable RelatedFact	4.6 Use place value or adjusting to add numbers mentally
	T		Know percentage equivalents of 1/2, 1/4, 1/5, 2/5, 4/5							
	W		Establish percentage equivalents of fractions with a denominator of multiples of 10							
	T		Establish percentage equivalents of fractions with a denominator of multiples of 25							
	F		Extra Problem Solving							
15/03/2021	M	Measurement: Length, Mass and Capacity	Remember This?	4xTable RelatedFact	4.9 Use place value or adjusting to subtract numbers mentally					
	T		Convert kilometres to metres using decimal notation							
	W		Convert metres to kilometres using decimal notation							
	T		Convert metres to centimetres using decimal notation							
	F		Convert centimetres to metres using decimal notation							
22/03/2021	M	Measurement: Length, Mass and Capacity	Convert between centimetres and millimetres using decimal notation			4xTable RelatedFact	4.9 Use place value or adjusting to subtract numbers mentally			
	T		Calculate the perimeter of composite rectilinear shapes where all measurements are given including mixed units							
	W		Calculate the perimeter of composite rectilinear shapes where some measurements need to be calculated							
	T		Convert between kilograms and grams using decimal notation							
	F		Convert between litres and millilitres using decimal notation							
29/03/2021	M	Measurement: Length, Mass and Capacity	Know approximate equivalences between metric and imperial units including pounds and pints					4xTable RelatedFact	4.9 Use place value or adjusting to subtract numbers mentally	
	T		Know approximate equivalences between inches and centimetres							
	W		Extra Problem Solving							
	T		End of Term Assessment: Remember It							
	F		Good Friday							
Easter Break										



# Year 5 Term 5

Term 5. W/c		Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24			
19/04/2021	M	Fractions: Calculating	Remember This?		✕Table RelatedFact	5.14 Multiply numbers mentally using known facts and place value		
	T		Convert a mixed number into an improper fraction			5.22 Compare and order fractions		
	W		Convert an improper fraction into a mixed number			Deliberate Practice: Past and Present		
	T		Add proper fractions denominator multiples within the whole			Deliberate Practice: Past and Present		
	F		Add proper fractions denominator multiples = mixed number answer			CanDo21 6x6		
26/04/2021	M	Fractions: Calculating	Add mixed and proper same denominator = mixed number answer			✕Table RelatedFact	5.14 Multiply numbers mentally using known facts and place value	
	T		Add mixed and proper same denominator = mixed number answer (beyond whole)				5.22 Compare and order fractions	
	W		Add mixed and proper denominator multiples = mixed number answer				Deliberate Practice: Past and Present	
	T		Add mixed and proper denominator multiples = mixed number answer (beyond whole)				Deliberate Practice: Past and Present	
	F		Extra Problem Solving	CanDo21 6x6				
03/05/2021	M	Fractions: Calculating	Bank Holiday	✕Table RelatedFact				
	T		Subtract proper from mixed same denominator within the whole		5.22 Compare and order fractions			
	W		Subtract proper from mixed same denominator (across whole)		Deliberate Practice: Past and Present			
	T		Subtract proper fractions denominator multiples within the whole		Deliberate Practice: Past and Present			
	F		Subtract proper fractions denominator multiples from mixed denominator multiples within the whole		CanDo21 6x7			
10/05/2021	M	Fractions: Calculating	Subtract proper fractions from mixed denominator multiples (across whole)		✕Table RelatedFact	5.19 Divide numbers mentally using known facts and place value		
	T		Extra Problem Solving			5.24 Solve problems: Percentage and decimal equivalents		
	W		Extra Problem Solving			Deliberate Practice: Past and Present		
	T		Multiply unit fraction by a whole number			Deliberate Practice: Past and Present		
	F		Multiply non-unit fraction by a whole number			CanDo21 6x7		
17/05/2021	M	Fractions: Calculating	Multiply mixed number by a whole number	✕Table RelatedFact		5.19 Divide numbers mentally using known facts and place value		
	T		Multiply mixed number by a whole number (beyond whole)			5.24 Solve problems: Percentage and decimal equivalents		
	W		Extra Problem Solving			Deliberate Practice: Past and Present		
	T		Extra Problem Solving			Deliberate Practice: Past and Present		
	F		End of Term Assessment: Remember It			CanDo21 6x8		
24/05/2021	M	See Term 6			✕Table RelatedFact			
	T							
	W		For the academic year 2020-2021 see week 1 of Term 6 for manageable steps					
	T							
	F							

Half Term



# Year 5 Term 6

Term 6. W/c		Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	
24/05/2021	M	Measurement: Area and Volume (In 2020-2021 to be taught in the last week of term 5)	Remember This?		5.19 Divide numbers mentally using known facts and place value
	T		Make connections between arrays and calculating the area of rectangles		5.24 Solve problems: Percentage and decimal equivalents
	W		Calculate the area of rectangles (not squares)		Deliberate Practice: Past and Present
	T		Calculate the area of squares		Deliberate Practice: Past and Present
07/06/2021	F	Measurement: Area and Volume	Find an estimate for the area of shapes that are not rectangles		CanDo21 6x8
	M		Find an estimate for the volume of a 3D shape		5.7 Add numbers with more than 4 digits using efficient methods
	T		Estimate capacity		5.13 Multiply numbers mentally using factors or partitioning
	W		Remember This?		Deliberate Practice: Past and Present
14/06/2021	T	Geometry: Properties of Shapes	Identify reflex angles		Deliberate Practice: Past and Present
	F		know angles are measured in degrees		CanDo21 6x9
	M		Estimate acute, obtuse and reflex angles		5.7 Add numbers with more than 4 digits using efficient methods
	T		Use a protractor to measure acute angles		5.13 Multiply numbers mentally using factors or partitioning
21/06/2021	W	Geometry: Properties of Shapes	Use a protractor to measure obtuse angles		Deliberate Practice: Past and Present
	T		Use a protractor to measure reflex angles	Deliberate Practice: Past and Present	
	F		Use a protractor to draw acute angles	CanDo21 7x7	
	M		Use a protractor to draw obtuse angles	5.7 Add numbers with more than 4 digits using efficient methods	
28/06/2021	T	Measurement: Time	Use a protractor to draw reflex angles	5.13 Multiply numbers mentally using factors or partitioning	
	W		Identify and find angles at a point	Deliberate Practice: Past and Present	
	T		Identify and find angles at a point on a straight line	Deliberate Practice: Past and Present	
	F		Use the properties of rectangles to find missing lengths and angles	CanDo21 7x8	
05/07/2021	M	Measurement: Time	Know the difference between a regular and an irregular polygon	5.10 Subtract numbers with more than 4 digits using efficient methods	
	T		Extra Problem Solving	5.18 Divide numbers mentally using factors or partitioning	
	W		Remember This?	Deliberate Practice: Past and Present	
	T		Convert from seconds to minutes	Deliberate Practice: Past and Present	
12/07/2021	F	Statistics	Convert from minutes to hours	CanDo21 7x8	
	M		Convert from hours to days	5.10 Subtract numbers with more than 4 digits using efficient methods	
	T		Convert from days to weeks	5.18 Divide numbers mentally using factors or partitioning	
	W		Read and interpret information given in a timetable	Deliberate Practice: Past and Present	
19/07/2021	T	Statistics	Read and interpret information given in a table	Deliberate Practice: Past and Present	
	F		Read and interpret information given in a line graph	CanDo21 7x9	
	M		Extra Problem Solving	5.10 Subtract numbers with more than 4 digits using efficient methods	
	T		Extra Problem Solving	5.18 Divide numbers mentally using factors or partitioning	
Summer Holiday	W	Statistics	Extra Problem Solving	Deliberate Practice: Past and Present	
	T		Extra Problem Solving	Deliberate Practice: Past and Present	
	F		End of Term Assessment: Remember It	Deliberate Practice: Past and Present	
	M		TDD		
			TDD		