ST	ATUTORY EXPECTATION	ıs				ADDITIO	<u> </u>				Rapid Recall/Mental Calculations	Non-statutory guidance
YR	Count from 1-20 and say which no. is 1 more than a given no. Using quantities objects, + two U nos and count on to find the answer. [Expected] Estimate no. of objects; check quantities by counting up to 20. [Exceeding]  Add (and subtract) one-digit and two-digit	Practical or recorded using Hannah listed how man were outside. [She] was a and 4 boys. That's 9 altoge When playing in the shop o list to add 2 amounts. He and the bananas are 3 per [EYFS Profile exemplifical Pupils use concrete objects an representations	y girls and how many boys tible to say that "There are ether".  Christopher used his shop said "the beans are 5 pen nce, altogether that is 8 per tions, STA  Ind pictorial	5 girls How man	Objects  akes and my friend eats 3. ny cakes did we eat altogethe  Visual (modelled using bead strir	2+3	Visual (effi	stop. How many per [Might be rec	eople are on the	ШШ	Number bonds to 10  Represent/use number bonds (and related subtraction facts)	Memorise/reason with bonds to $10/20$ in several forms (eg $9+7=$
Y1	numbers to 20 (9 + 9, 18 - 9), including zero Read/write/interpret statements involving addition (+), subtraction (-) and equals (=) signs.	(eg place value counters, Die Problems should include tern altogether, total, take away, a more than and less than, so p of +/- and use operations flex	ns: put together, add, distance between, pupils develop concept P	ctures/Symbolic ee above) notos	13 + 5 = 18 13 + 5 = 18 13 14 15 16	+1 +1		y be in 1s]	17 18	8+5+13 8+2=10 10+3=13	within 20.  Missing number problems (eg 16 = ? + 9)	16; 16 - 7 = 9; 7 = 16 - 9). Pupils should realise the effect of adding or subtracting zero - establishes +/- as related operations.  Pupils combine and increase numbers, counting forwards and backwards.
Y2	TU + U TU + tens TU + TU U + U + U  [Show addition of two numbers can be done in any order.]	Recognise/use inverse relationship between +/- and use to check calcs and missing number problems.  Pupils use concrete objects, pictorial representations and mental strategies. (eg place value counters, Dienes)	Practical/visual images 58 + 30 = 88	35 + 47=	### ### ##############################	35 + 4 47 + 3 77 + 80 +	mber line 7 = 82 0 = 77 3 = 80 2 = 82	Partitioning 35 + 47 = 82 40 + 30 = 70 7 + 5 = 12	col val fori witi	cording addition in urms supports place ue and prepares for mal written methods h larger numbers.  + 35 = 82 40 + 7 30 + 5 70 + 12	Recall and use addition facts to 20 fluently. Derive and use related facts up to 100.  Solve problems by applying increasing knowledge of mental methods.	Pupils extend understanding of the language of + to include sum.  Practise + to 20 to derive facts such as using 3 + 7 = 10 to calculate 30 + 70 = 100, 100 - 70 = 30 and 70 = 100 - 30. Check calcs, including by adding numbers in a different order to check +.  Establishes commutativity and associativity of addition.
Y3	Use formal written methods of columnar addition.  TU + TU HTU + TU HTU + HTU + HTU	Number line 57 + 285 = +50 285 33	57 + 28 285 + 335 +	Ver 5 = 342 EAC 50 = 335	oanded trical CH LINE CO-ORDINATED LOUR (WITH LABELS HTU SIDES EACH)	374 + <u>248</u> 12 110 500 622	374 + 248 622		stimate answe check.	rs and use inverse	HTU + U; HTU + tens HTU + hundreds  Use number facts and place value to solve problems.  For mental calcs with TU nos, answers could be >100.	
Y4	Use formal written methods of columnar addition.  HTU + HTU ThHTU + HTU ThHTU + ThHTU	Estimate and use inverse operations to check answers to a calculation.  Estimate, compare and calculate different measures, including money in pounds and pence.	Expanded vertical  789 + 642 = 1431  EACH LINE CO- ORDINATED COLOUR (WITH LABELS HTU BESIDES EACH	789 + <u>642</u> 11 120 1300 1431	7 8 9 + 6 4 2 1 4 3 1	5735 + 562 = 5297 EACH LINE CO- DRDINATED COLOUR (WITH ABELS HTU BESIDES EACH	5000 6297	5735 + 562 = 629 5735 + 562 6297	prob deci oper to us Solv and invo	re addition two-step blems in contexts, ding which rations and methods se & why. re simple measure money problems lving fractions and mals to 2dp	Pupils continue to practise both mental methods and columnar addition and subtraction with increasingly large numbers to aid fluency.	Pupils build on their understanding of place value and decimal notation to record metric measures, including money.
Y5	Add whole numbers >4 digits, including using formal written methods (columnar addition). Decimals up to 2dp (eg 72.5 + 45.7)	Use rounding to check ans and determine, in the contilevels of accuracy. Solve addition multi-step p deciding which operations and why.	ext of a problem, problems in contexts, and methods to use	olve problems involveme. [Measurement] se all four operationeasure [eg length,	ving number up to 3dp.  ving converting between units of  ons to solve problems involvin  mass, volume, money] using  duding scaling. [Measuremen	# 44 g f] 1 f] 6	3.70	23.70 + 48.56 72.26 1 1	decimal whole n decimal number	oractise adding is, including a mix of sumbers and decimals, is with different s of decimal places, applements of 1.	Add numbers mentally with increasingly large numbers (eg 12462 + 2300 = 14762).  Pupils mentally add tenths, and one-digit whole numbers and tenths.	They extend their knowledge of fractions to thousandths and connect to decimals and measures. Pupils should go beyond the measurement and money models of decimals (eg by solving puzzles.
Y6	Solve multi-step problems in contexts, deciding which operations/methods to use and why. Decimals up to 3dp (Context: Measures)	Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.	Use knowledge of the order of operations to carry out calculations involving subtraction.	solve problems	s which require answers to be grees of accuracy. [Fractions] s involving the calculation and units of measure, using decim appropriate. [Measurement]	1	3.243 + 18.070 21.313 1 1				Perform mental calculations, including with mixed operations and large numbers. Using the number line, pupils add positive and negative integers for measures such as temperature.	Pupils develop skills of rounding/estimating to predict/check order of magnitude of ans to decimal calcs. Includes rounding answers to a degree of accuracy & checking reasonableness.

	STATUTORY EXPECTATIONS  STATUTORY EXPECTATIONS  Rapid Recall/Mental Calculations Non-statutory guidance										
YR	Count from 1-20 and say which no. is 1 less than a given no. Using quantities objects, subtract two U nos and count back to find the answer. [Expected] Estimate no. of objects; check quantities by counting up to 20. [Exceeding]	Practical or recorded using ICT.  Chloe was playing in the maths area. "I need three more" s said as she added some cubes to the circle. She then reali she had more than her friend. "Oh, I have too many". She removed one. "Now we have the same".  During a game of skittles outdoors Joseph knocked three numbered skittles down. He was able to calculate his scor his head.  [EYFS Profile exemplifications, STA]	Seed Seed Seed Seed Seed Seed Seed Seed	were left?	b biscuits. I ate 5. How many orded as: $9-5=4$	Number bonds to 10					
Y1	Subtract (and add) one-digit and two-digit numbers to 20 (9 + 9, 18 - 9), including zero Read/write/interpret statements involving addition (+), subtraction (-) and equals (=) signs	Practical or recorded using ICT.  Pupils use concrete objects and pictorial representations (eg place value counters, Dienes)  Taking away – jumps of 1 (modelled using bead strings)  13 – 5 = 8  13 – 5 = 8  13 – 5 = 8  14 – 1 – 1 – 1 – 1 – 1 – 1 – 1 – 1 – 1 –	8 9 10 11 12 13	Counting on – jumps of 1 (modelled using bead strings)  11 – 8 = 3  - +1 +1 +1  8 9 10 11	Counting on (efficient jumps)  With, or without, number line  8 + 2 = 10 10 + 1 = 11	Represent/use number bonds and related subtraction facts within 20.  Problems should include terms: put together, add, altogether, total, take away, distance between, more than and less than, so pupils develop concept of +/- and use operations flexibly.  Missing number problems (eg 7 = ? - 9)	Memorise/reason with bonds to 10/20 in several forms (eg 9 + 7 = 16: 16 - 7 = 9; 7 = 16 - 9). Pupils should realise the effect of adding or subtracting zero - establishes +/- as related operations.  Pupils combine and increase numbers, counting forwards and backwards.				
Y2	TU - U TU - tens TU - TU [Show subtraction of two numbers <u>cannot</u> be done in any order.]	Recognise/use relationship betw. +/- to check calcs and missing number problems.  Pupils use concrete objects and pictorial representations and mental strategies (eg place value counters, Dienes)  Practical/visual images 95 - 60 = 35	Taking away 84 - 36 = 48  (no number)  84 - 36 = 48  48 - 36 = 48  84 - 36 = 48  84 - 30 = 54  54 - 4 = 50  50 - 2 = 48  Jumps can be in 10s/1s  Keeping one number the same	1 + 30 + 4 + 4 + 4 + 4 + 50 54	Recording subtraction in columns supports place value and prepares for formal written methods with larger numbers.  98 - 35 = 63  90 and 8  30 and 5  60 and 3	Recall and use subtraction facts to 20 fluently. Derive and use related facts up to 100.  Solve problems by applying increasing knowledge of mental methods.	Pupils extend understanding of the language of subtraction to include <b>difference</b> .  Practise subtraction to 20 to derive facts such as using 3 + 7 = 10, 10 - 7 = 3 and 7 = 10 - 3 to calculate 30 + 70 = 100 - 30. Check calculations, including by adding to check subtraction.				
Y3	Use formal written methods of columnar addition TU - TU HTU - TU HTU - HTU	Counting on 436 - 389 = 4  + 11	8 7 4 5 2 3 874 - 523 = 351 (no decomposition) COLOUR CODE USED FOR PLACE   700 20 400 50 600 110 13 200 60	723 - 458 = 265 932 - 457 COLOUR CODE 8 12 USED FOR PLACE 9 3	Estimate answers and use inverse to check.	HTU - U HTU - tens HTU – hundreds Use number facts and place value to solve problems.					
Y4	Use formal written methods of columnar subtraction.  HTU - HTU THTU - TU THHTU - TU THHTU - HTU THHTU - THHTU - THHTU - THHTU - THHTU	Counting on 1324 - 968 = 356  + 324  968 1000 1324	400 and 0 and 6	nposition 968 = 406 decimals to 2dp.	inverse operations to check.	Pupils continue to practise both mental methods and columnar addition and subtraction with increasingly large numbers to aid fluency.	Pupils build on their understanding of place value and decimal notation to record metric measures, including money.				
Y5	Subtract whole numbers >4 digits, including using formal methods (columnar subtraction).  Decimals up to 2dp (eg 72.5 - 45.7)	Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.  Solve multi-step problems in contexts, deciding which operations/methods to use and why.  Solve problems involving converting betw. units of [Measurement]  Solve problems involving converting betw. units of [Measurement]	time. (no numb 72.5 – 45.7 = 26.8 72.5 – 45 72.5 – 45 72.5 – 40 32.5 – 5 27.5 – 0	72.5 - 45.7 = 26.8 6.7 0 = 32.5 6 = 27.5 72.5 - 45.7 = 26.8 6 7 11 2 15 - 4 5 7	Pupils practise subtracting decimals, including a mix of whole numbers and decimals, decimals with different numbers of decimal places, and complements of 1.	Subtract numbers mentally with increasingly large numbers (eg 12462 - 2300 = 10162). Pupils mentally subtract tenths, and one-digit whole numbers and tenths.	They extend their knowledge of fractions to thousandths and connect to decimals and measures. Pupils should go beyond the measurement and money models of decimals (eg by solving puzzles.				
Y6	Solve multi-step problems in contexts, deciding which operations/methods to use and why. Decimals up to 3dp (Context: Measures)	Use knowledge of the order of operations to carry out calculations involving subtraction.  Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.	Solve problems which require answers to be rounded to specified degrees of accuracy. [Fractions] Solve problems involving the calculation and conversion of units of measure, using decimal notation to 3dp where appropriate. [Measurement]	There was 2.5 litres in the jug. Stuart d left?  18.07 km - 3.243 km  Solve addition and subtraction multi-ste deciding which operations and methods	p problems in contexts,	Perform mental calcs, incl. with mixed operations and large numbers. Using the no. line, pupils subtract positive/negative integers for measures such as temperature.	Pupils develop skills of rounding/estimating to predict/check order of magnitude of ans to decimal cales. Includes rounding ans to a degree of accuracy & checking reasonableness.				

S	TATUTORY REQUIREMEN		1	MOLIN	LICATION		Rapid Recall/Mental Calculations	Non-statutory guidance
YR	Children solve problems, including doubling, halving and sharing. [Expected] Solve practical	Practical/ recorded using ICT (eg digital photos / pictures on IWB)  How many 10p coins are here? How much money is that?  This domino is a double 4. How many spots	Pictures/Objects  How many socks in three pairs		Symbolic  3 pairs, 2 socks in e	ach pair:		
	problems that involve combining groups of 2/5/10. [Exceeding]	does it have?			11	11 11		
Y1	Solve one-step problems using concrete objects, pictorial representations and arrays (with the support of the teacher)	Practical/recorded using ICT Pictures/Symbolic There are five cakes in each bag. How many cakes are there in three bags?	5 x 3 or 3	g modelled using bead strings) x 5 [two, three times] or [three g	roups of two]	Arrays  5 x 2 or 2 x 5	Recall facts for the 2,5 and 10 multiplication tables	Doubling numbers/quantities  Count on/back in 2s, 5s and 10s
Y2	Calculate statements for multiplication within the multiplication tables and write them using the multiplication and equals signs.  [Show multiplication of two numbers can be done in any order.]	There are four apples in each box. How many apples in six boxes	upils use a variety flanguage to escribe ultiplication.	3 6 9 5 1I		Arrays 6 x 4 or 4 x 6	Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, (including recognising odd and even numbers).  Use commutativity/inverse relations to develop multiplicative reasoning (eg $4 \times 5 = 20$ and $20 \div 5 = 4$ ).	Pupils practise to become fluent in the 2/5/10 multiplication tables and connect them to each other. They connect the 10x table to place value, and the 5x table to divisions on the clock face. They begin to use other multiplication tables and recall facts, including using related division facts to perform written and mental calculations.
Y3	Write/calculate statements using the multiplication tables that they know (progressing to formal written methods). TU x U (multiplier is 2/3/4/5/8/10)	36 x 4 = 144 X 30 6 4 120 24	30 x 4 = 120 PLAC PLAC (6x 4 = 24	DUR CODE USED FOR E VALUE CO CO X 4 VAL	36 DLOUR X 4 DE USED 144 R PLACE LUE	Pupils develop reliable written methods for multiplication, starting with calculations of TU by U (progressing to formal written methods of short multiplication).	Recall and use multiplication facts for the 3, 4 and 8 multiplication tables.	Through doubling, they connect the $2/4/8$ multiplication tables. Pupils develop efficient mental methods, using commutativity (eg $4 \times 12 \times 5 = 4 \times 5 \times 12 = 20 \times 12 = 240$ ) and multiplication and division facts (eg using $3 \times 2 = 6$ , $6 \div 3 = 2 \& 2 = 6 \div 3$ ) to derive related facts ( $30 \times 2 = 60$ , $60 \div 3 = 20 \& 20 = 60 \div 3$ ).
Y4	Use formal written layout:  TU x U HTU x U  Convert between different units of measure [eg km to m; hr to mi]	43 x 6 = 258 (estimate: 40 x 6 = 240)  40 x 6 = 240 3 x 6 = 18  43 x 6	PLACE VALUE	342 x 7 = 2394 3 300 40 2 2100 280 14	237 × 4 (estimate: 250 × 4 = 10 237 ×4 28 120 800 948 COLOUR CODE: FOR PLACE VAL	X   7	Recall multiplication facts to 12 x 12. Use place value, known & derived facts to multiply mentally, including x by 0/1; x 3 numbers. Recognise/use factor pairs and commutativity in mental calculations.  Pupils use multiplication to convert from larger to smaller units.	Practise mental methods and extend this to HTU numbers to derive facts, for example $200 \times 3 = 600$ into $600 \div 3 = 200$ . Write statements about equality of expressions [eg $39 \times 7 = 30 \times 7 + 9 \times 7$ and $(2 \times 3) \times 4 = 2 \times (3 \times 4)$ ]. Combine knowledge of facts and arithmetic rules to solve mental/written calculations (eg $2 \times 6 \times 5 = 10 \times 6 = 60$ ).
Y5	Use a formal written method (including long x for TU nos) TU x TU HTU x U / HTU x TU ThHTU x U Convert between units of measure (eg km/m; m/cm; cm/mm; kg/g; litre and ml)	47 x 36 = 1692 (estimate 50 x 40 = 2000)	2 7 4 × 4) × 30) 1 6 4 4	1 2 2 4 × 1 6	124 x 26 = 3224	Pupils connect multiplication by a fraction to using fractions as operators (fractions of), and to division. This relates to scaling by simple fractions, including those > 1. Find fractions of numbers and quantities, writing remainders as a fraction.	Identify multiples/factors, including finding all factor pairs of a number, & common factors of two numbers. Know/use vocabulary of prime numbers, prime factors and composite (non-prime) nos.  Establish if a number up to 100 is prime; recall prime numbers to 19. x nos mentally using known facts. Multiply whole numbers and those involving decimals by 10/100/1000.	Pupils apply all the x tables frequently, commit them to memory and use them to make larger calculations. They understand the terms factor, multiple/prime, square/cube numbers & use to construct equiv. statements (eg 4 x 35 = 2 x 2 x 35; 3 x 270 = 3 x 3 x 9 x 10 = 9 <sup>2</sup> x 10).
Y6	Multi-digit numbers (up to 4 digits) x TU whole number using the formal method of long multiplication.  Multiply one-digit numbers with up to two decimal places by whole numbers	256 x 18 = 256 4608	× 2 6 7 4 4 2 4 8 0 3 2 2 4 1 1	5 x 8 = 40)  4.7  8  37.6 5 (estimate 6 x 9 [Or compute 56 divide the solutions of the solution of the solutio	unders unders unders unders unters to find length 65 x 9, then tion by 100.]   x numble nos (st	variety of images to support tanding of x with fractions. Use tanding of relationship between ctions and ÷ to work backwards by antity that represents a unit fraction the whole quantity (eg if ¼ of a is 36cm, whole length 36 x 4 = ).  Ders with up to 2dp by U/TU whole arting with simplest cases eg 0.4 x , and in practical contexts).	Perform mental calculations, including with mixed operations/large numbers. Identify common factors/multiples and prime numbers. Use knowledge of order of operations to carry out calculations. Use estimation to check answers to calculations and determine an appropriate degree of accuracy. Identify value of each digit to 3dp and x nos by 10/100/1000 (ans to 3dp)	Undertake mental calcs with increasingly large numbers and more complex calculations. Continue to use all x tables to calculate statements in order to maintain their fluency. Explore the order of operations using brackets. Common factors can be related to finding equivalent fractions.

DIVISION
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	OTATUTODY EVECTATION	•			DIVISIO	<u>ON</u>		David Danell/Mantal Calculations	Non-statutana and dance
YR	Children solve problems, including doubling, halving and sharing. [Expected] They solve practical problems that involve sharing into equal	Practical / recorded using ICT (eg digital photos/pictures on IWB) 6 ca	akes shared between 2		Symbolic 6 cakes shared beto	ween 2	There are 8 raisins. Take half of them. How many do you have? Share the 10 grapes between 2 people.	Rapid Recall/Mental Calculations	Non-statutory guidance
	groups. [Exceeding]						)		
Y1	Solve one-step problems using concrete objects, pictorial representations and arrays (with the support of the teacher)	Practical/recorded using ICT There are 14 people on the bus. Half of them get off. How many remain on the bus?	Pictures/Symbolic How many apples in each boy between 3 bowls?		Visual (modelled us 15 ÷ 5 = 3	•	10 15	Recognise/find/name ½ as one of two equal parts of an object, shape or quantity.  Recognise/find/name ¼ as one of four equal parts of an object, shape or quantity.	Find simple fractions of objects, numbers and quantities Count on/back in 2s, 5s and 10s
		There are 20 people in the class. One quarter are boys. How many boys are there?			•••••				
	Calculate statements within the multiplication tables and write them using the division and equals signs.	Pictures/Symbolic  Four eggs fit in a box. How many boxes would you need	division.	(modelled using b	pead strings)	Arrays Find ¼ c 24 ÷ 4 =		Recall & use division facts for the 2, 5 and 10 multiplication tables, Recognise/find/name/write fractions ½, ¼, ¾, ¾ of a (length, shape), set of objects or quantity.	Begin to use other multiplication tables/recall facts, including related division facts to perform written/mental calculations.  Work with materials/contexts
Y2	[Show division of two numbers <u>cannot</u> be done in any order.] Find ½, ¼, ¾, 34 of a			0 3 6	9 12 15	18	AND 32 ÷ 2 = 16	Write simple fractions eg ½ of 6 = 3 and recognise equivalence of two quarters and one half.	where division relate to grouping/sharing quantities. They begin to relate these to fractions/measures (eg 40 ÷ 2 =
	length/objects/quantity. Write simple fractions eg ½ of 6 = 3					•••	30+2=15 2+2=1	Use commutativity/inverse relations to develop multiplicative reasoning (eg $4 \times 5 = 20$ and $20 \div 5 = 4$ ).	20, 20 is a half of 40). They connect unit fractions to equal sharing and grouping, to numbers and to measures
Y3	Write/calculate statements using the tables that they know (progressing to <b>formal</b> written methods).  TU ÷ U  (divisor is 2/3/4/5/8/10)	$96 \div 4 = 24$ $0$ $0$ $0$ $0$	51 ÷ 3 =17	51 30 (3 x 10) 21 21 (3 x 7)		starting with calculation	le written methods for division, ons of TU by U numbers Il written methods of short division).	Recall and use division facts for the 3, 4 and 8 multiplication tables.	Pupils develop efficient mental methods, using commutativity (eg $4 \times 12 \times 5 = 4 \times 5 \times 12 = 20 \times 12 = 240$ ) and multiplication and division facts (eg using $3 \times 2 = 6$ , $6 \div 3 = 2 \& 2 = 6 \div 3$ ) to derive related facts ( $30 \times 2 = 60$ , $60 \div 3 = 20 \& 20 = 60 \div 3$ ).
Y4	Pupils practise to become fluent in the formal written method of short division with exact answers [NS] TU ÷ U; HTU ÷ U	Multiples of the divisor 98 ÷ 7 98 ÷ 7 = 14 10 x 7 = 70 4 x 7 = 28	7 = 14  1 4  7 9 8	252 ÷ 7 = 36 30 x 7 = 210 6 x 7 = 42	252 ÷ 7 = 36	252 210 (7 x <b>30</b> ) 42	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Recall division facts to 12 x 12. Use place value, known/derived facts to 5- mentally, including ÷ by 1. Find effect of dividing U/TU by 10/100, identifying the value of the digits in the answer as units/tenths/hundredths.	Practise mental methods and extend this to HTU numbers to derive facts, for example 200 x 3 = 600 into 600 ÷ 3 = 200. Relates decimal notation to division of whole number by 10 and later 100.
Y5	Use the formal written method of short division (interpret remainders appropriately for the context). HTU ÷ U ThHTU ÷ U	346 ÷ 8 = 43 r2 (estimate > 40, <50) 346 ÷ 8 (estimate: 400 ÷ 8 = 50) 8)346 -320 (8 × 40) 26 (8 × 2)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		]8520 ÷ €	6 = 1420 1420 6 8520	Pupils connect x by a fraction to using fractions as operators (fractions of), and to ±. This relates to scaling by simple fractions, incl. those > 1. Find fractions of numbers and quantities, writing remainders as a fraction.	Identify multiples/factors, including finding all factor pairs of a number, & common factors of two numbers. Know/use vocabulary of prime numbers, prime factors and composite (non-prime) nos. Establish if a number up to 100 is prime; recall prime numbers to 19.	Pupils apply all the ÷ facts frequently, commit them to memory and use them to make larger calculations. They understand the terms factor, multiple/prime, square/cube numbers & use to construct equivalent statements
	Convert between units of measure (eg km/m; m/cm; cm/mm; kg/g; litre and ml)	-24 (8×3)		L 40 20				nos mentally using known facts.  Divide whole numbers and those involving decimals by 10/100/1000.   Defermentable belon to the control of the control	[eg 120 ÷15 = (30 x 4) ÷ 15 = 2 x 4 = 8]
Y6	Divide numbers (up to 4 digits) by TU whole number using the formal method of short/long division (interpret as approp. for the context). Use written division methods in cases where the ans has up to 2dp.	43.4 ÷ 7 = 6.2 (estimate 42 ÷ 7 = 6) 6 x 7 = 42 0.2 x 7 = 1.4	25.6 ÷ 7 = 3.2 (estimate >3, <4) 25.6 ÷ 8 (estimate: 24 ÷ 8 = 3) 8)25.6 -24.0 1.6 -1.6 (8 × 3.0) -1.6 (8 × 0.2)	43.68 ÷ 7 = 6.24 (estimate: $42 \div 7 = 6$ )  [Or compute $4368 \div 7$ , then divide the solution by 100.]  6.24  7 $43.68$			)	Perform mental calculations, including with mixed operations/large numbers. Identify common factors/multiples and prime numbers. Use knowledge of order of operations to carry out calculations. Use estimation to check answers to calculations and determine an appropriate degree of accuracy. Identify value of each digit to 3dp	Undertake mental calcs with increasingly large numbers and more complex calculations. Continue to use all table facts to calculate statements in order to maintain their fluency. Explore the order of operations using brackets. Common factors can be related to finding equivalent fractions.
	2dp by U/TU whole numbers.]		Ü	,				and ÷ nos by 10/100/1000 (ans to 3dp)	