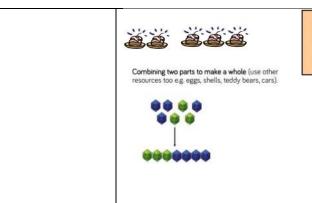


<u>Tintagel Primary School Written Calculation Policy – Updated February 2022</u>

ADDITION:

	CONCRETE	PICTORIAL	ABSTRACT	MENTAL RECALL	KEY VOCABULARY
Reception	EYFS Framework 2021				
	ELG:				
Addition as 'combining 2' groups'	-Have a deep understanding of number to 10, including the composition of each number -Subitise (recognise quantities without counting) up to 5 -Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts -Verbally count beyond 20, recognising the pattern of the counting system				
	-Compare quantities up to 10 in diff quantity`	erent contexts, recognising when on	e quantity is greater than, less tha	in or the same as	the other
	-Explore and represent patterns wit equally	hin numbers up to 10, including ever	ns and odds, double facts and how	quantities can b	e distributed



8 people are on the bus. 5 more get on at the next stop. How many people are on the bus now?



[Might be recorded as: 8 + 5 = 13]

Use of Numicon to support simple number sentences

Recording their own number	1 more (up to	add, more,
sentences with the correct	20)	make, sum,
symbols e.g. 5 + 2 = 7 OR 7 = 5		total,
+ 2	Counting up to	altogether,
	20	double, one
(This can be done in a number		more, two
of ways – chalk outside, moving	Number Bonds	more ten
number tiles to make number		more, how
sentences etc)		many more to
		make? how
		many more is .
		than?
		how much

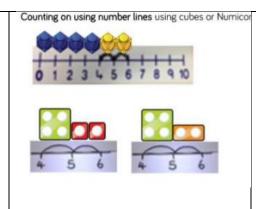
more is . . .?

	Y	ear	١
--	---	-----	---

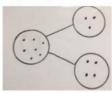
<u>Curriculum 2014 Statutory Requirements</u> Pupils should be taught to:

Addition as 'counting on'
□+ □ (bridging
10) □□ +□
(bridging 20)

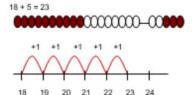
- -Read, write and interpret mathematical statements involving addition (+) and equals (=) signs
- -Represent and use number bonds and related subtraction facts within 20
- -Add one-digit and two-digit numbers to 20, including zero
- -Solve one-step problems that involve addition, using concrete objects and pictorial representations, and missing number problems such as 9 = ? + 7



Children to represent the cubes using dots or crosses. They could put each part on a part whole model too.



Number line – jumps of 1 (modelled using bead strings)



The abstract number line: What is 2 more than 4? What is the sum of 2 and 4? What is the total of 4 and 2? 4 + 2



4+3=7Four is a part, 3 is a part and the whole is seven.



No number line

18 + 5

18 + 2 = 20

20 + 3 = 23

Pairs to 20

Facts up to 20

1 / 10 more than a number

Derive related facts

number line, add, more, plus, make, sum, total, altogether, inverse, double, near double, equals, is the same as (including equals sign) How many more to make..? How many more is...than..? How much more is..?

number bonds,

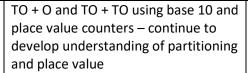
Year 2

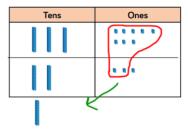
Curriculum 2014 Statutory Requirements

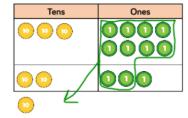
Pupils should be taught to:

□□ +□□ (bridging 10s)

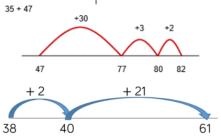
- -Solve problems with addition:
- -Using concrete objects and pictorial representations, including those involving numbers, quantities and measures
- -Applying their increasing knowledge of mental and written methods
- -Recall and use addition facts to 20 fluently, and derive and use related facts up to 100
- -Add numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones, a two-digit numbers and tens, two two-digit numbers, adding three one-digit numbers
- -Show that addition of two numbers can be done in any order (commutative)
- -Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems



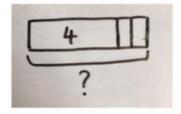




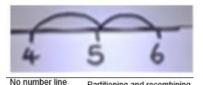
Number line (efficient $\underline{\text{jumps})}$ (can also make jumps of 10's and 1's



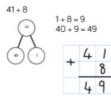
A bar model which encourages the children to count on, rather than count all.



The abstract number line: What is 2 more than 4? What is the sum of 2 and 4? What is the total of 4 and 2? 4+2



35 + 47 35 + 47 47 + 30 = 77 40 + 30 = 70 77 + 3 = 80 7 + 5 = 12 80 + 2 = 82 70 + 12 = 82



 $\begin{array}{r}
 38 \\
 + 23 \\
 \hline
 61 \\
 \hline
 1
 \end{array}$

Bonds up to 20

Pairs to 100

addition, add, more, and make, sum, total, altogether, commutative, double, near double, one more, two more ... ten more ... one hundred more, how many more to make ...? how many more is ... than ...? how much more is ...?

Curriculum 2014 Statutory Requirements

--+--

(bridging 100)

□□□ +□□ (not bridging 1000)

□□□+ □□□ (not bridging 1000)

Pupils should be taught to:

-Add numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds, a three-digit number and thousands

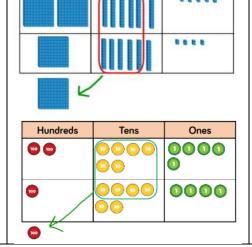
- -Add numbers with up to three digits, using -
- -Formal written methods of columnar addition

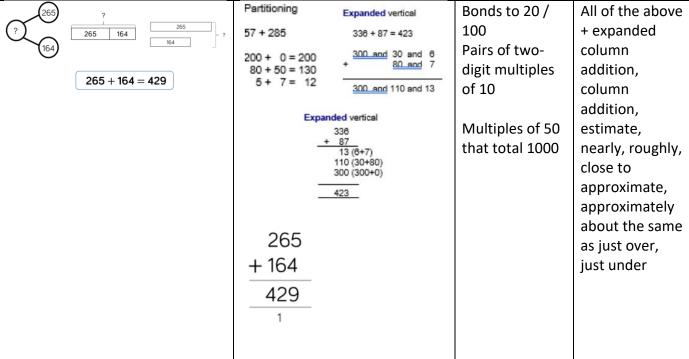
Ones

- -Estimate the answer to a calculation and use inverse operations to check answers
- -Solve problems, including missing number problems, using number facts, place value, and more complex addition

TO + O, HTO + TO and HTO + HTO using base 10 and place value counters – continue to develop understanding of partitioning and place value

Hundreds





___ **+**__

___ **+** ___

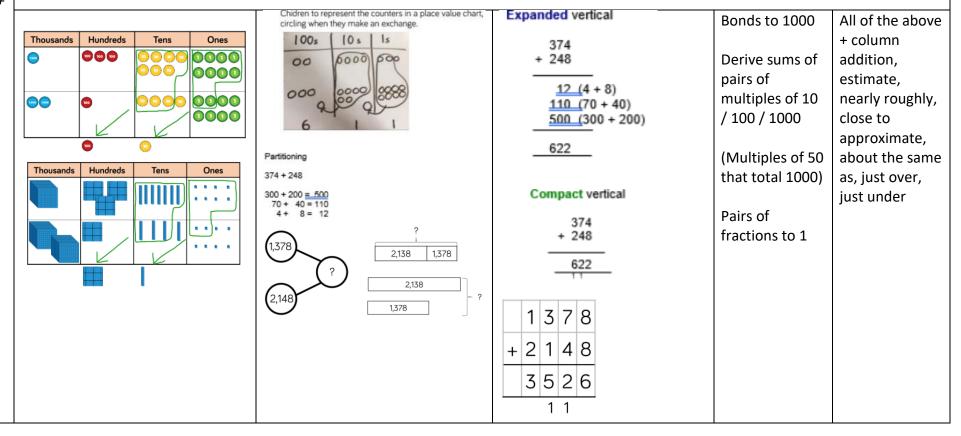
____ **+** ____

____ **+** ____

Decimals: money (£7.85 + £3.49)

<u>Curriculum 2014 Statutory Requirements</u> Pupils should be taught to:

- -Add with up to 4 digits using the formal written methods of columnar addition where appropriate
- -Estimate and use inverse operations to check answers to a calculation
- -Solve addition two-step problems in contexts, deciding which operations and methods to use and why



Year 5	Curriculum 2014 Statutory Requir	ements			
	Pupils should be taught to:	 -			
0000+0000	-Add whole numbers with more th	an 4 digits, including using formal w	ritten methods (columnar ad	dition)	
(and beyond)	-Add numbers mentally with incre	asingly large numbers	·	·	
, ,		calculations and determine, in the	context of a problem, levels o	of accuracy	
Decimals up to		ns in contexts, deciding which operate			
2dp (23.7 +		, 6		,	
48.56)					
,					
	As previous year groups – using	As previous year groups – use	Compact vertical	(derive) Bonds	All of the above
	place value counters, Base 10,	part part whole models, bar		up to 1 (2dp)	+ efficient
	1.	1	23.70	up to 1 (2up)	written method
	Numicon as necessary	models as necessary Expanded vertical	+ 48.56	(davissa) Davida	written method
				(derive) Bonds	
		23.70 + 48.56	72.26	up to 10 (1dp)	
		0.00 (0 + 0.00)	11		
		<u>0.06_(0 + 0.06)</u> <u>1.20_(0.7 + 0.5)</u>			
		11 00 (3 + 8) 60 00 (20 + 40)			
Vacu C	Comical and 2014 Statute and Beauti	72.26			
Year 6	Curriculum 2014 Statutory Requir	<u>ements</u>			
Consolidate /	Pupils should be taught to:		ta a a a di a a di a da d	l L	
Consolidate /	-Solve addition multi-step problem	ns in contexts, deciding which operat	ions and methods to use and	l wny	
extend Y5					
including:					
Three numbers					
Decimals up to					
3dp (context:					
measures)					

As previous year groups – using	As above	As above	As above	All of the above
place value counters, Base 10,				+ order of
Numicon as necessary				operations

SUBTRACTION:

	CONCRETE	PICTORIAL	ABSTRACT	MENTAL	KEY
				RECALL	VOCABULARY
Reception	EYFS Framework 2021				
	ELG:				
Subtraction as	-Have a deep understanding of nun	nber to 10, including the compositio	n of each number		
'taking away'	-Subitise (recognise quantities with	out counting) up to 5			
from a group	-Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some				s) and some
	number bonds to 10, including dou	ble facts			
	-Compare quantities up to 10 in dif	ferent contexts, recognising when o	ne quantity is greater than, less tha	n or the same as th	ne other
	quantity`				
	Pictures / Objects	Symbols	Recording their own number	1 less (numbers	take away, how
	I have five cakes. I eat two of them. How many do I have left? Might be	Mum baked 9 biscuits. I ate 5.	sentences with the correct	up to 20)	many are
	recorded as: 5-2=3	How many were left?	symbols		left/left over?
		1111++++	e.g. 6 - 4 = 2 OR 2 = 6 - 4		how many have
	Physically taking away and removing objects from a whole	1111 11111	(This can be done in a number		gone? one less,
	(ten frames, Numicon, cubes and other items such as beanbags could be used).	Might be recorded as: $9 - 5 = 4$	of ways – chalk outside, moving		two less, ten
	4 - 3 = 1		number tiles to make number		less how
			sentences etc)		many fewer is
					than? how
					much less is?
					difference
					between

Subtraction as 'taking away' and 'difference' (by counting on) \Box - \Box

(bridging 10)

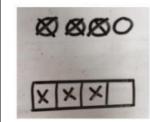
Curriculum 2014 Statutory Requirements

Pupils should be taught to:

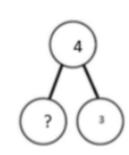
- -Read, write and interpret mathematical statements involving subtraction (-) and equals (=) signs
- -Represent and use number bonds and related subtraction facts within 20
- -Subtract one-digit and two-digit numbers to 20, including zero -Solve one-step problems that involve subtraction, using concrete objects and pictorial representations, and missing number problems such as 9 = ___ 7



Children to draw the concrete resources they are using and cross out the correct amount. The bar model can also be used.



4 - 3 =



Subtraction facts to 10

1 / 10 less than a number

half, halve, equals, is the same as (including equals sign) difference between, how many more to make..? how many more is...than..? how much more

is..?

<u>Curriculum 2014 Statutory Requirements</u> <u>Pupils should be taught to:</u>

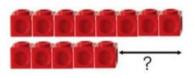
measures

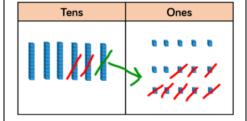
Subtraction as inverse of addition □□ – □□ (bridging 10s)

- <u>Pupils should be taught to:</u>
 -Solve problems with subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and
- -Applying their increasing knowledge of mental and written methods
- -Recall and use subtraction facts to 20 fluently, and derive and use related facts up to 100
- -Subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones, a two-digit numbers and tens, two two-digit numbers, subtracting three one-digit numbers
- -Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot
- -Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems

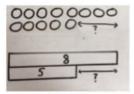
Finding the difference (using cubes, Numicon or Cuisenaire rods, other objects can also be used).

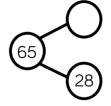
Calculate the difference between 8 and 5.





Children to draw the cubes/other concrete objects which they have used or use the bar model to illustrate what they need to calculate.





Find the difference between 8	3
and $5.8 - 5$, the difference is	

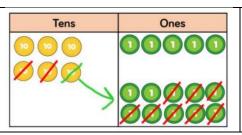
Children to explore why 9 - 6 = 8 - 5 = 7 - 4 have the same difference

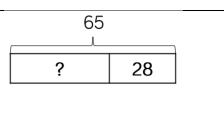
Partitioning 74 - 27 74 - 20 = 54 54 - 4 = 5050 - 3 = 47

Subtraction facts to at least 10

away, how many are left/left over? how many have gone? one less, two less, ten less ... one hundred less. how many fewer is ... than ...? how much less is ...? difference between, equals is the same as, number

subtract, take





bonds/pairs/fac ts, tens boundary

Year 3

Curriculum 2014 Statutory Requirements

Pupils should be taught to:

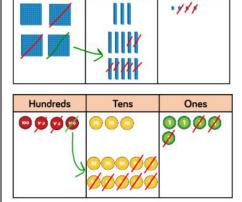
- -Subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds a three-digit number and thousands
- -Subtract numbers with up to three digits, using formal written methods

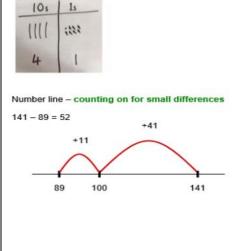
Ones

- -Estimate the answer to a calculation and use inverse operations to check answers
- -Solve problems, including missing number problems, using number facts, place value, and more complex subtraction

Column strategy using base 10/place value counters 435 – 237 = 262

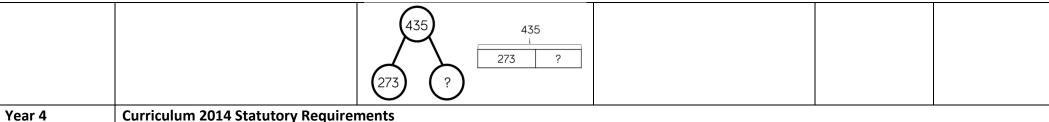
Hundreds





Children to represent the base 10 pictorially.

Partitioning	Subtraction	All of the above
272 – 48	facts to 20	+ expanded column
272 - 40 = 232 232 - 8 = 224 3435 - 273 262	Differences of multiples of 10	subtraction, exchanging
		1



Decimals:

£3.49)

money (£7.85 -

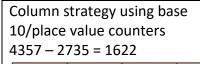
Pupils should be taught to:

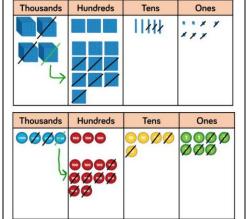
- -Subtract with up to 4 digits using the formal written methods of columnar subtraction where appropriate
- -Estimate and use inverse operations to check answers to a calculation

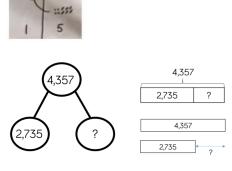
the exchange.

-Solve subtraction two-step problems in contexts, deciding which operations and methods to use and why

Represent the base 10 pictorially, remembering to show







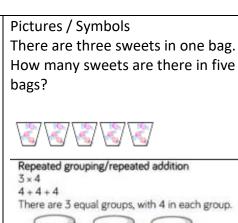
	Derive
³ / ₄ 357	differences of
/	pairs of
2735	multiples of 10 / 100 / 1000
1622	/ 100 / 1000
	1

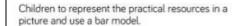
All of the above + Compact column subtraction, decomposition, inverse operation

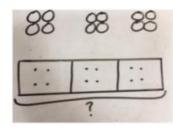
Year 5	Curriculum 2014 Statutory Requir	ements					
		Pupils should be taught to:					
	-Subtract whole numbers with more than 4 digits, including using formal written methods (columnar subtraction)						
Decimals up to	-Subtract numbers mentally with i			,			
2dp (72.5 –			ine, in the context of a problem, levels of accu	racy			
45.7)	-Solve subtraction multi-step prob	lems in contexts, deciding	g which operations and methods to use and wl	hy			
	As previous year groups – using place value counters, Base 10, Numicon as necessary	As above	As above and compact strategy with decimal numbers as below 5.43	Use number facts for mental subtraction 9 – 2 = 7 0.9 – 0.2 =	All of the above + efficient written method		
			$\frac{-2.7}{2.73}$	0.7 0.09 – 0.02 = 0.07			
Year 6	Curriculum 2014 Statutory Requir	<u>ements</u>	•				
	Pupils should be taught to:						
Consolidate / extend Y5 including: Decimal to 3 dp relating to	-Solve subtraction multi-step prob	lems in contexts, decidin	g which operations and methods to use and wl	hy			
measures	As previous year groups – using	As above	As above	As above	All of the above		
	place value counters, Base 10,		Recognise when one written		+ Order of		
	Numicon as necessary		method is more efficient		operations		
	·		➤ There was 2.5 litres in the				
			jug. Stuart drank 385 ml. How				
			much was left?				
			➤ 18.07 km – 3.243 km				

MULTIPLICATION:

	CONCRETE	PICTORIAL	ABSTRACT	MENTAL	KEY
				RECALL	VOCABULARY
Reception	EYFS Framework 2021				•
	ELG:				
Count repeated	-Automatically recall (without refere	ence to rhymes, counting or other aid	ds) number bonds up to 5 (includi	ng subtraction fact	s) and some
groups of the	number bonds to 10, including doub	ole facts			
same size (1s /	-Verbally count beyond 20, recognis	ing the pattern of the counting syste	em		
2s / 5s / 10s)	-Explore and represent patterns wit	hin numbers up to 10, including ever	ns and odds, double facts and hov	quantities can be	distributed
	equally				
	Pictures / Objects 3 plates, 2 cakes	Symbols 3 plates, 2 cakes on each	Repeated addition:	Counting on in	doubling,
	on each plate:	plate:		1s and 2s	groups of, lots
			2 + 2 + 2 = 6		of
		II II II			
Year 1	Curriculum 2014 Statutory Require	ments			
	Pupils should be taught to:				
Solve	-Solve one-step problems involving	multiplication, by calculating the ans	wer using concrete objects, picto	rial representation	s and arrays with
(practical)	the support of the teacher				
problems					







 $3 \times 4 = 12$

4 + 4 + 4 = 12

Count on in 1s, 2s, 5s and 10s

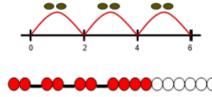
Doubles of numbers to 20

Multiplication, multiply, multiplied by, multiple, division, dividing, grouping, odd, even, count in twos, threes, fives, count in tens (forwards from/backward s from) How many times? lots of, groups of, once, twice, three times, five times. multiple of, times, multiply, multiply by

Repeated ground 3 × 4	uping/repeat	ed addition
4+4+4		
The state of the s	nual arnuns i	with 4 in each group
There are 5 et	dogr Brooks,	milit 4 iii eacir group
2	2	
1		
	-	S. S.
	-	
44	44	44
44	44	44
		-
44	44	44

Number line (modelled using bead strings) 2 x 3 or 3 x 2

[two, three times] or [three groups of two]



Year 2 Curriculum 2014 Statutory Requirements

Pupils should be taught to:

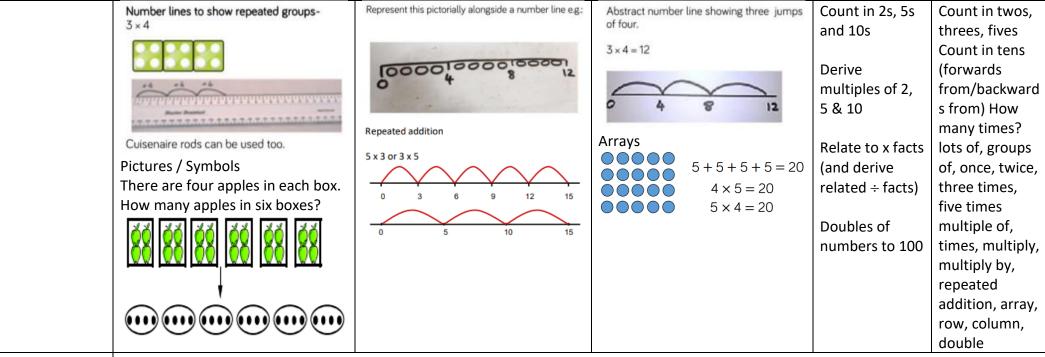
Multiplication as repeated addition and arrays

-Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers

-Calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (×) and equals (=) signs

-Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot

-Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts



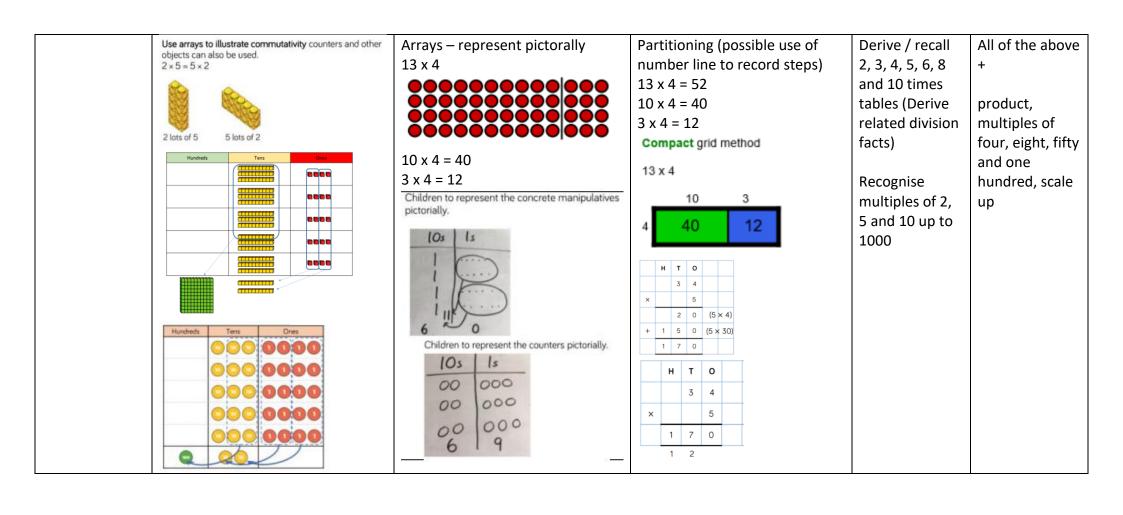
Curriculum 2014 Statutory Requirements Pupils should be taught to:

 $\square\square X$ \square

(e.g. 13 x 4)

-Recall and use multiplication facts for the 3, 4 and 8 multiplication tables

- -Write and calculate mathematical statements for multiplication using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to written methods
- -Solve problems involving missing number problems involving multiplication including positive number scaling problems and correspondence problems where n objects are connected to m objects



Curriculum 2014 Statutory Requirements

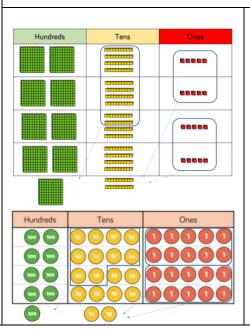
Pupils should be taught to:

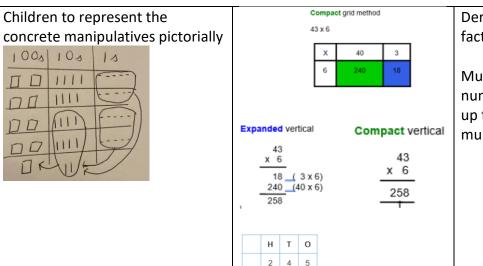
Record, support and explain:

 $\square \square X \square$

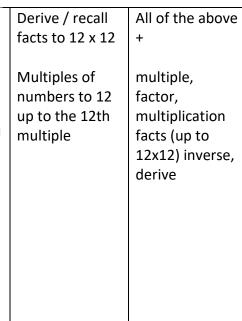
 \square \square \square \square \square

- -Recall and use multiplication facts for multiplication tables up to 12 x 12
- -Use place value, known and derived facts to multiply mentally, including: x0 x1 and multiplying together three numbers
- -Recognise and use factor pairs and commutativity in mental calculations
- -Multiply two-digit and three-digit numbers by a one-digit number using formal written layout
- -Solve problems involving multiplying, including the distributive law to multiply two-digit numbers by one digit including positive number scaling problems and correspondence problems where n objects are connected to m objects





9 8 0



Curriculum 2014 Statutory Requirements

Pupils should be taught to:

Refine and use efficient methods:

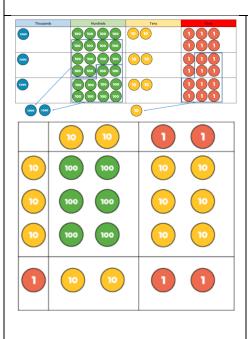
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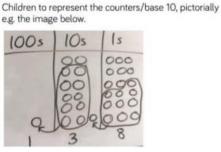
 \square \square \square \square \square \square

 $\square\square$ X $\square\square$

 \square . \square X \square

- -Identify multiples and factors: all factor pairs of a number, common factors of two numbers, establish whether a number up to 100 is prime and recall prime numbers up to 19
- -Multiply numbers up to four digits by a one- or two-digit number using a formal written method
- -Multiply whole numbers and those involving decimals by 10, 100 and 1000





Grid method

 47×36

(estimate: 50 × 40 = 2000)

×	40	7	
30	1200	210	1410
6	240	42	282
			1692

	Н	Т	О
		2	2
×		3	1
		2	2
	6	6	0
	6	8	2

Н	Т	0		
2	3	4		
	3	2		
4	6	8		
1 ⁰	2	0		
4	8	8		
	2 4 1 ⁰	2 3 3 4 6 10 2		

Recal	l quickly	
facts	to 12 x 12	2

Use facts to multiply pairs of multiples of 10 / 100

Use known facts to derive other facts [Find common multiples of two numbers] All of the above

factor pairs,

composite numbers, prime number, prime factors, square number, cubed number, formal written method

Year 6 **Curriculum 2014 Statutory Requirements** Pupils should be taught to: Use efficient -Identify multi-digit numbers up to 4 digits by a two-digit number using formal, long multiplication methods: -Identify common factors, common multiples and common prime numbers -Use their knowledge of the order of operations to carry out calculations involving the four operations Integer x Ones (eq 2307 x 8) Decimal x Ones (eq 31.6 x 7) TO x TO HTO x TO All of the above As previous year groups - using What is the calculation? Use facts up to Compact vertical ThHTO x TO What is the product? place value counters, Base 10, 12 x 12 to 4.7×8 derive facts Numicon as necessary (estimate: 5 × 8 = 40) 100s 10s involving Order of 000 4.7 multiples of 10 operations, / 100 (e.g. 80 x common 000 30) and factors, 000 decimals (e.g. common TTh Th Н Т 0.8×7 multiples 23 23 23 23 23 3 Derive squares 2 ? of numbers to 12 x 12 Derive 6 6 9 corresponding squares of

multiples of 10

DIVISION:

	CONCRETE	PICTORIAL	ABSTRACT	MENTAL	KEY
				RECALL	VOCABULARY
Reception	EYFS Framework 2021				
	ELG:				
Share objects		hin numbers up to 10, including eve	ns and odds, double facts and how	quantities can be	distributed
into equal	equally				
groups and					
count how					
many in each group	Pictures / Objects	Symbols			sharing, halving
group	6 cakes	Symbols			
		6 cakes shared between 2			
	shared between 2				
		_	$\overline{}$		
	(9E)	6 cakes put into groups of 2			
	6 cakes put into groups of 2				

Solve
(practical)
problems that
involve sharing
into equal
groups

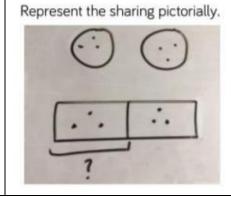
Curriculum 2014 Statutory Requirements

Pupils should be taught to:

-Solve one-step problems involving division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher

6 + 2 = 3

Sharing using a range of objects. 6+2



Children should also be encouraged to use their 2 times tables facts.

division, dividing, grouping, sharing, halving, array, number patterns

Year 2

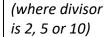
Division as sharing and grouping (including remainders)

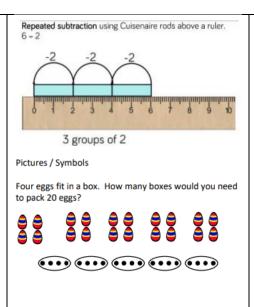
 $\Box\Box$ \div \Box

<u>Curriculum 2014 Statutory Requirements</u>

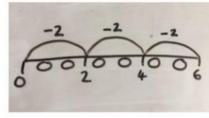
Pupils should be taught to:

- -Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
- -Calculate mathematical statements for division within the multiplication tables and write them using the signs ÷ and =
- -Show that multiplication of two numbers is commutative but division is not
- -Solve problems involving division using materials, arrays, repeated addition, mental methods and division facts, including problems in contexts

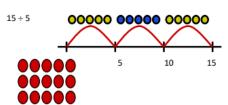




Children to represent repeated subtraction pictorially.



Number lines / Arrays

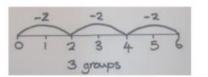


Partitioning

 $28 \div 2$

 $20 \div 2 = 10$ $8 \div 2 = 4$

Abstract number line to represent the equal groups that have been subtracted.



Derive / recall ÷ facts for 2, 5 and 10 tables

Derive / recall halves of even numbers to 40

division, dividing, divide, divided by, divided into, grouping, sharing, share, share equally, left, left over, one each, two each, three each ... ten each, group in pairs, threes ... tens, equal groups of

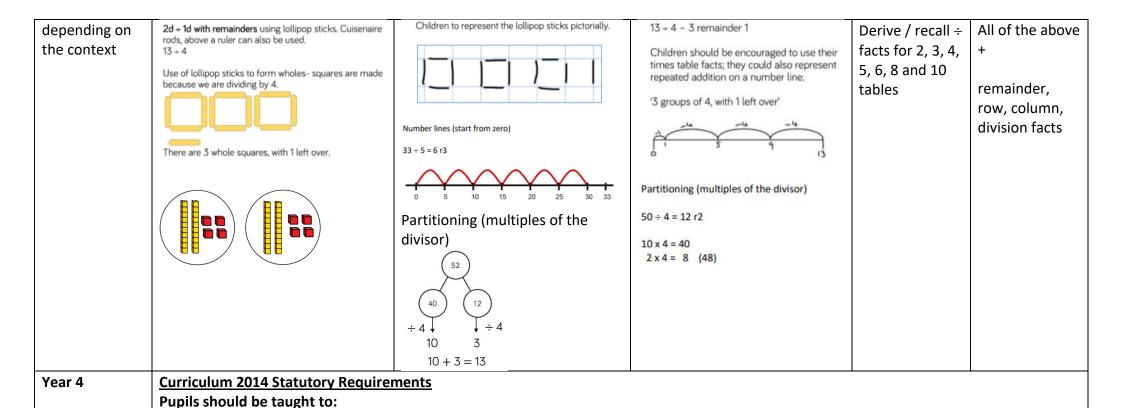
Year 3

(where divisor is 2, 3, 4, 5, 6, 8 or 10) Round remainders up / down,

Curriculum 2014 Statutory Requirements

Pupils should be taught to:

- -Recall and use multiplication and division facts for the 3, 4 and 8 x tables
- -Write and calculate mathematical statements for division using the multiplication tables they know, including 2-digit divided by 1-digit using mental and progressing to formal written methods
- -Solve problems, involving missing number problems, involving division, including positive number scaling problems and correspondence problems where n objects are connected to m objects

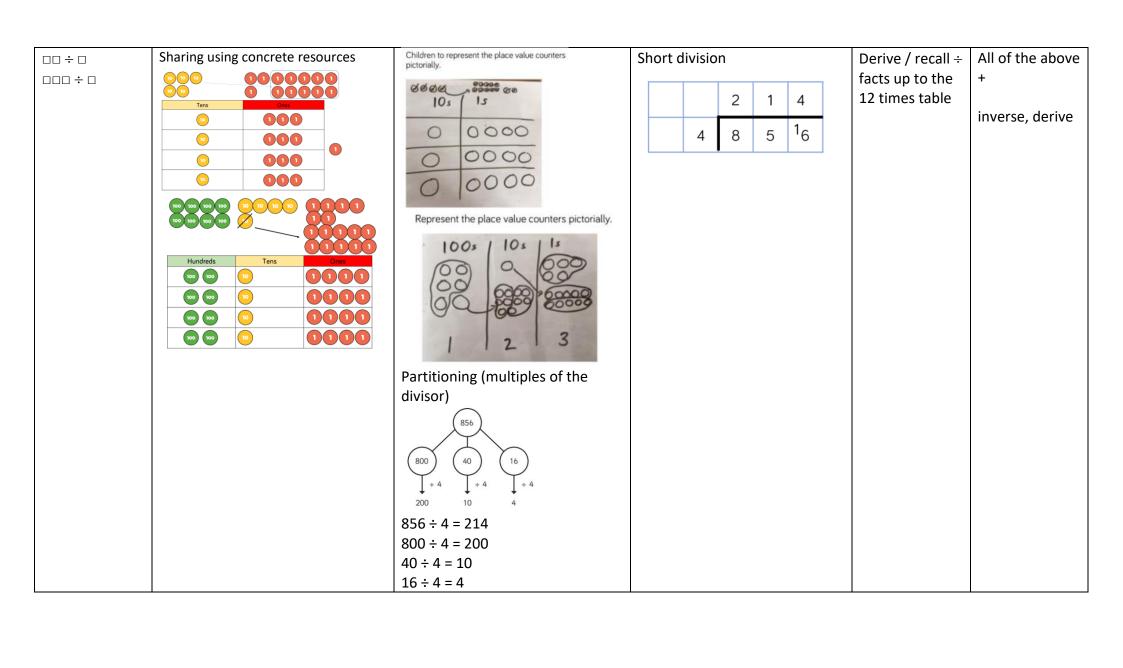


-recall multiplication and division facts up to 12 x 12 use place value, known and derived facts to divide mentally, including dividing by 1

-solve problems involving dividing a three-digit number by one-digit and number using a formal layout

Record,

support and explain:



<u>Curriculum 2014 Statutory Requirements</u> Pupils should be taught to:

Refine and use efficient methods:

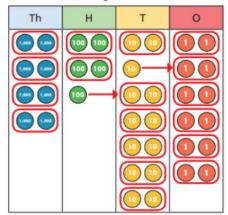
___ ÷ __

____÷__

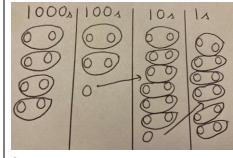
-Identify multiples and factors, including finding all factor pairs of a number, common factors of two numbers, know and use the vocabulary of prime numbers and establish whether a number up to 100 is prime

- -Multiply and divide numbers mentally drawing on known facts
- -Divide numbers up to 4 digits by a one-digit number using a written method and interpret remainders appropriately for the context
- -Divide whole numbers and those involving decimals by 10, 100 and 1000

Sharing using concrete resources as above with 3 digit numbers and below with 4 digit numbers



Represent place value counters pictorially as above with 3 digit numbers and below with 4 digit numbers



Short division



Recall quickly ÷ facts up to 12 times table

All of the above +

square,

squared, cube, cubed, factor pairs, composite numbers, prime number, prime factors

Curriculum 2014 Statutory Requirements

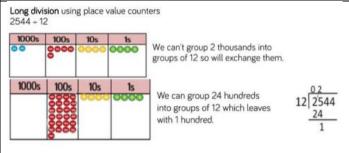
Use efficient methods:

Integer ÷ □ (e.g. 123 ÷7) Decimal ÷□

 $(e.g. 27.6 \div 8)$

Pupils should be taught to:

- -Divide numbers up to 4 digits by a two-digit number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding as appropriate for the context
- -Divide numbers up to 4 digits by a two-digit number using the formal written method of short division as appropriate



Partitioning	
43.4 ÷ 7 = 6.2	
6 x 7 = 42 0.2 x 7 = 1.4 (43.4))
	4
	$43.4 \div 7 = 6.2$ 6 x 7 = 42

L	.or	ng	diν	/isi	on	1														
		0	4	8	9															
	15	7	3	3	5					2	4		1	2				2	4	$-\frac{4}{5}$
	_	6	0	0	0	(×400	_			_		r		2	1	5	3	7	2	- 3
		1	3	3	5		1	5	3	7	2				Ė	-	_	_	_	-
	_	1	2	0	0	(×80)		-	3	0	0					_	3	0	0	
			1	3	5					7	2							7	2	
	-		1	3	5	(×9)		-		6	0					-		6	0	
					0					1	2							1	2	

Derive ÷ facts	All of the above
involving	+
multiples of 10	
/ 100 (e.g. 240	order of
÷ 30) and	operations,
decimals (e.g.	common
4.8 ÷ 6)	factors,
	common
	multiples