

Bampton CE Primary School and Nursery

Learning together with Respect, Friendship and Perseverance



School Vision Statement

We endeavour to enable individuals in our school community to learn together, grow in respect, tolerance and understanding of the world in which we live, embrace Christian values and reach our full potential.

Title of Policy	Calculation Policy
Date Adopted by the Governing Body	October 2022
Review Date	October 2024
Signed by the Chair of Governors	

Basic Principles of Mathematics

Ordinality

The ordering of numbers





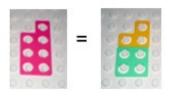
Cardinality

The value of a number





Equality



Subitising

Instantly recognising the number of object in a small group without counting them



Conservation of number

Recognising that the value of objects are the same, even if they are laid out differently.

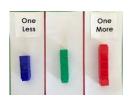


One to one correspondence





One more, one less





Counting on and back

pics



Doubling, halving and sharing





Key Vocabulary

zero, number, one, two, three ... to twenty and beyond, teens numbers, eleven, twelve ... twenty, none, how many ...?, count, count (up) to, count on (from, to), count back (from, to) count in ones, is the same as more, less odd, is the same number as, as many as, more, larger, bigger, greater fewer, smaller, less, fewest, smallest, least, most, biggest, largest, greatest one more, one less, compare, order, first, second, third..., last, last but one, before, after, next, between, add, more, and make, sum, total altogether, double, one more, two more ... ten more how many more to make ...?, how many more is ... than ...?, how much more is ...?, take away how many are left/left over?, how many have gone?, one less, two less, ten less ... how many fewer is ... than ...?, how much less is ...?, difference between, sharing, doubling, halving

Mental Strategies for Addition and Subtraction

Number bonds and related number bond facts		Doubles	Near doubles		
7 + 3 = 10		7 + 7 = 14	7 + 7 = 14		
70 + 30 = 100			so	SO	
0.7 = 0.3 = 1		20 - 10 = 10 7 + 8 = 15			
Commutative law of ac	ldition	Using the inverse	Partitioning both nu	umbers	
7 + 68 is equivalent to 68 + 7		14 + 8 = 22 8 + 14 = 22 22 - 14 = 8 22 - 8 = 14	52 + 42 = 50+40+2+2 = 90 + 4 = 94	76 - 24 = 70-20+6-4 = 50 + 4 = 52	
Partitioning one numbe	r (Sequencing)	Compensation	Balancing		
52 + 42 = 52+40+2 = 92	76 - 24 = 76-20-4 = 52	In compensation we use our knowledge of place value and rounding. This strategy is particularly useful for working with numbers ending in 1, 2, 8 and 9 673 + 99		both numbers to make a calcu- ete, often using our knowledge nding.	
		673 + 100 - 1 = 772	58 + 26	58 - 26	
		46 - 18	58 + 2 = 60	58 + 4 = 62	
		46 - 20 + 2 = 28	26 - 2 = 24	26 + 4 = 30	
			60 + 24 = 84	62 - 30 = 32	

Glossary

Addend - A number to be added to another.

Aggregation - combining two or more quantities or measures to find a total.

Augmentation - increasing a quantity or measure by another quantity.

Commutative - numbers can be added in any order.

Complement – in addition, a number and its complement make a total e.g. 300 is the complement to 700 to make 1,000

Difference – the numerical difference between two numbers is found by comparing the quantity in each group.

Exchange – Change a number or expression for another of an equal value.

Minuend – A quantity or number from which another is subtracted.

Partitioning – Splitting a number into its component parts.

Reduction – Subtraction as take away.

Subitise – Instantly recognise the number of objects in a small group without needing to count.

Subtrahend - A number to be subtracted from another.

Sum - The result of an addition.

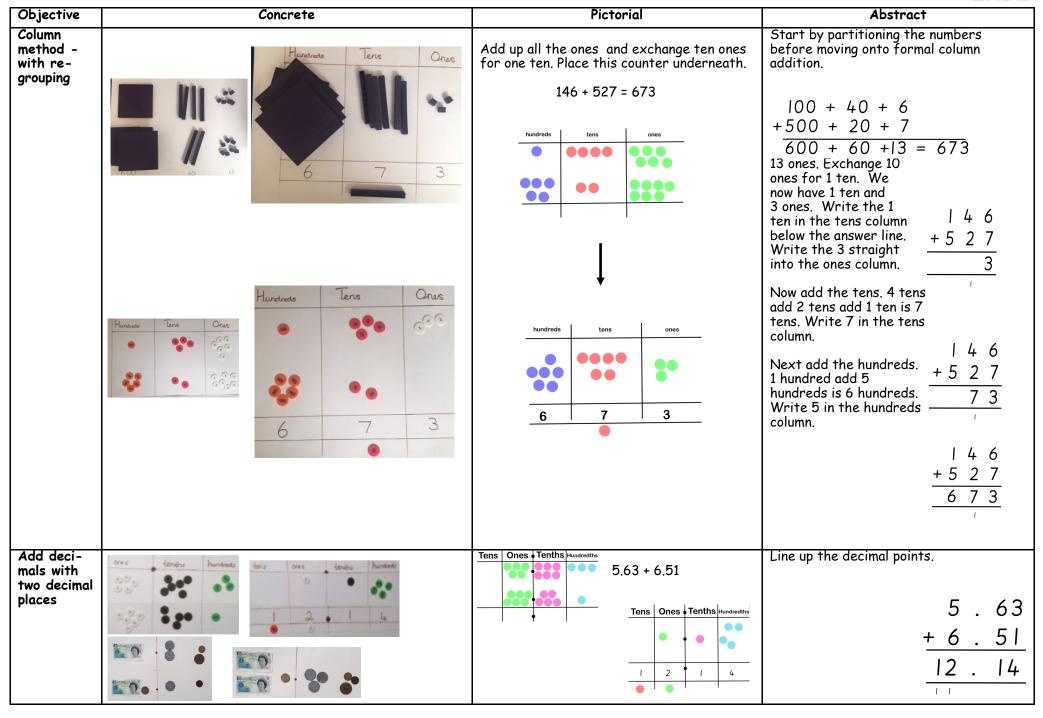
Total – The aggregate or the sum found by addition.

Foundation/Year 1

Objective	Concrete	Pictorial	Abstract
Combining two parts to make a whole: part - part - whole model		5 2	3 + 2 = 5 2 + 3 = 5 5 = 3 + 2 5 = 2 + 3
Starting with the bigger number and counting on	Some answer.	Count of answer. 12 13 14 15 16 17 18 19 20	12 + 5 = 17 17 = 12 + 5 Place the larger number in your head and count on the smaller number to find your answer.
Regrouping to make 10.		9 + 5 = 14 If I 1 4 +4 on tc 0 1 2 3 4 5 6 7 8 9 (8) 11 12 13 (14) 15 16 17 18 19 20 now?	9 + 5 = 4 Partition the smaller number to make 10. $9 + 5 = 14$ $14 = 9 + 5$

Objective	Concrete	Pictorial	Abstract
Adding multiples of ten			20 + 30 = 50 30 + ? = 50 50 = 30 + 20 3 tens add 2 tens is tens
Using known number facts			3 + 2 = 5 leads to 30 + 20 = 50 leads to 300 + 200 = 500
Adding a two-digit number and tens		1 10 + 10 + 10 (51) 4 (51)	21 + 30 = 51 21 + ? = 51 Explore the fact that the ones digit does not change.
Adding a two digit number and ones using base 10		Use ten frames and Number lines to make 'magic ten'.	7+5=22

Objective	Con	crete	Pictorial	Abstract
Adding two two-digit numbers using partitioning			+20 +5 Or +20 +3 +2 47 67 72 47 67 70 72	47 + 25 20 5 40 7 20 5 47 + 20 = 67 67 + 5 = 72 40 + 20 = 60 7 + 5 = 12 60 + 12 = 82
Add three one-digit numbers		→ · · · · · · · · · · · · · · · · · · ·	Regroup and redraw.	4 + 7 + 6 = 10 + 7 = 17 Combine the two numbers that make/ bridge ten then add the third.
Column method - no re- grouping	Tens Onus Tens O us	Tens Ones Tens Ones	Draw dienes using a tens and ones frame. Draw counters using a tens and ones frame.	Start by partitioning the numbers before moving onto formal column addition. $\begin{array}{c} 40 + 2 \\ +21 \\ \hline 63 \end{array}$ Add the ones first, then the tens and finally the hundreds. $\begin{array}{c} 223 \\ +145 \\ \hline 368 \end{array}$

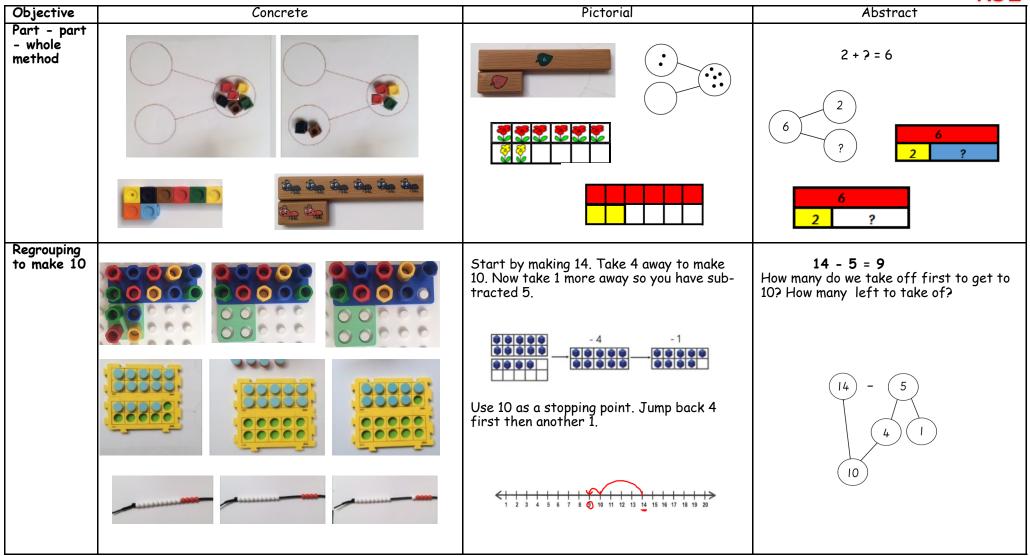


Objective	Concrete	Pictorial	Abstract
Add several numbers of increasing complexity		12.3 + 4.255 + 30.15	Line up decimal points.
		Tens Ones ♦ Tenths Hundredths Thousanths	12.3
		• • •	4.255
		** • • ** • **	+ 30.15
		• • •	+ 30.13
			46.705
		Tens Ones ∳ Tenths Hundredths Thousanths	Insert zero for place holders to avoid
		• • •	place value mistakes.
		900 → 00 900	12.300
		• •	4.255
		4 6 7 0 5	
			<u>+30.150</u>
			46.705
			1

Key Stage	Key Vocabulary
KS1	add, more, plus, and, make, altogether, total, equal to, equals, double, most, count on, number line, sum, tens, ones, partition, addition, column,
	Subitise, commutative
LKS2 add, more, plus, and, make, altogether, total, equal to, equals, double, most, count on, number line, sum, tens, ones partition, plus, of tens boundary, hundreds boundary, increase, vertical, 'exchange, expanded, compact, thousands, hundreds, digits, inverse, complete the sum of the compact of the co	
	addend ,subitise,commutative
UKS2	add, more, plus, and, make, altogether, total, equal to, equals, double, most, count on, number line, sum, tens, ones, partition, plus, addition, column, tens boundary, hundreds boundary, increase, exchange, expanded, compact, vertical, thousands, hundreds, digits, inverse, decimal places, decimal point, tenths, hundredths, thousandths, complement, addend, aggregation, augmentation, commutative

Foundation/Year 1

Objective	Concrete	Pictorial	Abstract
Taking away ones	1 2 3 4 5 6 7 8 9 10 2 3 4 5 6 7 8 9 10	Cross out drawn subjects to show what has been taken away	5 - 2 = 3
Counting back	Make the larger number on your bead string. Move the beads along your bead string as you count backwards in ones.	Count back on the number line or number track. $7 - 5 = 2$ $0 - 2 - 3 - 4 - 5 - 6 - 7 - 8$ Start at the bigger number and count back the smaller number	Put 7 in your head and count back 5. What number are you at? 7 - 5 = 2
Find the difference	2 ?	Count on using the number line or number track to find the difference. Start at the smaller number and count up to the bigger number.	Hannah has 7 crayons and Sarah has 2 crayons. How many more crayons does Hannah have?



Objective	Concrete	Pictorial	Abstract
Subtracting multiples of ten		///	50 - 30 = 20 20 = 50 - 30 5 tens subtract 3 tens is tens
Using known num- ber facts			5 - 3 = 2 leads to 50 - 30 = 20 leads to 500 - 300 = 200
Subtracting tens from a two-digit number	11 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 12 22 23 24 25 29 7 29 29 30 31 32 33 34 35 36 37 35 39 40 41 42 43 44 45 66 47 48 44 50 55 25 25 36 56 57 58 56 57 58 50 67 58 59 40 16 16 2 63 66 66 66 67 68 64 70 17 17 27 37 36 78 50 67 78 39 40 18 16 2 63 66 66 67 68 68 70 68 60 70 18 16 2 63 68 68 68 68 70 19 16 2 63 68 68 68 68 68 68 68 68 60 60 19 16 2 63 64 65 66 67 68 68 60 70 19 16 2 63 64 65 66 67 68 68 70 19 16 2 63 64 65 66 67 68 68 70 19 16 2 63 64 68 68 70 19 16 2 63 64 68 70 19 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	/// -	51 - 30 = 21 51 - ? = 21 Explore the fact that the ones digit does not change.
Regrouping tens into 10 ones	= *	→	20 - 4 = 16
Partitioning to subtract without regrouping	11 2 3 4 5 6 7 8 9 1 10 1 12 13 14 15 16 17 18 18 12 20 11 12 13 14 15 16 17 18 18 12 20 11 12 13 14 15 16 17 18 18 18 20 11 12 13 14 15 16 17 18 18 18 20 11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	// =:	47 - 22 = 25 40 - 20 = 20 7 - 2 = 5 20 + 5 = 25

Objective	Concrete	Pictorial	Abstract
Partitioning - counting back and on in tens then ones		Use the number line to count back in tens and then the rest.	47 - 23 = 24
		24 27 37 <u>47</u>	83 - ? = 26
	E.	Use a number line to count on in tens and then the rest	What is the difference between 83 and 26?
		+50 +4 +3 26 36 46 56 66 7680 §3	
Column method - no re- grouping	Tens Ones Tens Ones	tens ones	Start by portioning numbers before moving onto formal column subtraction.
			$\frac{60 + 3}{-20 + 1}$ $40 + 2 = 42$
	Tone Ones Tons Ones		63
	lons Units		$\frac{-21}{42}$ Subtract the ones first then the tens.

Objective	Concrete	Pictorial	Abstract
Column method – re–	Hundreds Tens Ones Hundreds Tens Ones	982 - 457	Start by partitioning numbers before moving onto formal column subtraction.
grouping		hundreds tens ones	2 subtract 7 is not possible. We need to exchange 1 ten for 10 ones. $\frac{900 + 80 + 2}{-400 + 50 + 7}$
			12 subtract 7 equals 5. 70 subtract 50 equals 20. 900 subtract 400 equals
	Hundreds Tens Ones	hundreds tens ones	500. 2 ones subtract seven ones is not - 400 + 50 + 7 possible. - 400 + 50 + 7 500 + 20 + 5 = 525
			exchange 1 ten for 10 ones. 982 12 ones subtract -457 7 ones is 5 ones. 982
	Hurdrads Tens Ones Hurdrads Tens Ones 5 2 5 2 5	hundreds tens ones XXX XX	7 tens subtract 5 tens is 2 tens. 9 hundreds subtract 4 hundreds is 5 hundreds. 9 \$\frac{457}{2}\$ - 457 5
			9 <mark>8</mark> 2 - 457 525

Objective	Concrete	Pictorial	Abstract
Subtract numbers of increasing	In Thousands Hundrade Tens Onus	31056 - 2128	6 ones subtract 8 ones is not possible. Exchange 1 31056 ten for 10 ones.
complexity.	8	ten thousands thousands hundreds tens ones	16 ones subtract 8 ones equals 8 ones.
	To Thousands Hundreds Tens Ones	ten thousands thousands hundreds tens ones	4 tens subtract 2 tens equals 2 tens.
	66	X XXX	31086
	2 8	ten thousands thousands hundreds tens ones	Exchange 1 thousand for - 2128 10 hundreds.
	In Thousands Thousands Hundreds Iens Ones	× × ×	310 \$ 6
	66	+ + 2 + 8 +	10 hundreds subtract 1 hundred equals 9 hundreds 2128
	• •	ten thousands thousands hundreds tens ones	
	2 8	X X XX XXX	Exchange 1 ten-thousand 3/0/86
		2 8	Exchange 1 ten-thousand 31086 for 10thousands.
	In Thousands Hundreds Terrs Ones	ten thousands thousands hundreds tens ones	
	66.66	X X XX	28
		9 2 8	10 thousands subtract 2 thousands is 8 thousands.
	9 2 8	ten thousands thousands hundreds tens ones	<u>- 2128</u>
	In Thousands Hundrade Tens Ones	X X XX	2 ten-thousands subtract 928 zero equals 2 ten-
		ten thousands thousands hundreds tens ones	thousands.
		Y X X	- 2128
	9 2 8	X X X X X X X X X X X X X X X X X X X	<u>- 2128</u> 8928
	In Thousands Thousands Hundrals Tens Ones	l ten	
	- CC		<i>3</i> % O \$ 6
	6	X X X XX	
		$\frac{1}{2} \frac{1}{8} \frac{1}{9} \frac{1}{2} \frac{1}{8}$	<u>- 2128</u> 28928
	2 8 9 2 8		28428

Objective	Concrete	Pictorial	Abstract
Subtract numbers of increasing complexity		354.27 - 247.32	Line up decimal points.
Complexity		Hundreds Tens Ones	35H.27
			<u>-247.32</u> 106.95
			Insert zero for place holders to avoid place value mistakes.
		Hundreds Tens Ones Tenths Hundredths X X X X X X X X X X X X X X X X X X X	$ \begin{array}{r} 26\cancel{3}.0 \\ - 26.7 \\ 237.3 \end{array} $

Key Stage	Key Vocabulary
KS1	Equal to, take away, less, minus, subtract, difference between, how many more, how many fewer/less than, most, least, count back, how many left, count on, partition, tens, units, digit
LKS2	Equal to, take, take away, less, minus, subtract, leaves, distance between, difference between, how many more, how many fewer/less than, most, least, count back, how many left, how much less is_?, count on, strategy, partition, tens, units, exchange, decrease, hundreds, value, digit, inverse., subtrahend, minuend,
UKS2	Equal to, take, take away, less, minus, subtract, leaves, distance between, difference between, how many more, how many fewer/less than, most, least, count back, how many left, how much less is_?, count on, strategy, partition, tens, units, exchange, decrease, hundreds, value, digit, inverse, tenths, hundredths, decimal place, decimal, subtrahend, minuend,

Mental Strategies for Multiplication and Division

Times table facts and related times table	Repeated addition for multiplication	Repeated subtraction for division
facts	7 × 3 =	21 ÷ 7 = 3
7 x 3 = 21	7 + 7 + 7 = 21	21 - 7 - 7 - 7
70 × 30 = 210		
$0.7 \times 3 = 2.1$		
Commutative law of multiplication	Using the inverse	Partitioning one number
7×3 is equivalent to 3×7	3 x 7 = 21	7 x 23 =
	21 ÷ 7 = 3	7 x 20 + 7 x 3 =
	21 ÷ 3 = 7	140 + 21 = 161
Doubling	Place value knowledge	Using a known tables and adjusting/adding/
93 x 4 is double 93 add double 93	21 × 12 = 252	subtracting
Halving	21 × 1.2 = 25.2	14 × 7 =
448 ÷ 4 is half 448 and half again	0.21 × 12 = 2.52	12 × 7 = 84
	25.2 ÷ 12 = 2.1	2 x 7 = 14
		84 + 14 = 98
Using place value and multiplication/division	Divisibility rules	18 × 16 = 288
facts	e.g numbers that are wholly divisible by 3 have a dig-	19 x 16 = 288 + 16 = 304
189 ÷ 9	it sum of 3, 6 or 9.	19 × 10 - 200 + 10 - 30+
180 ÷ 9 = 20	567 ÷ 3	
9 ÷ 9 = 1	5 + 6 + 7 = 18	
20 + 1 = 21	1 + 8 = 9	
	597 is wholly divisible by 3.	

Glossary

Array - An ordered collection of counters, cubes or other item in rows and columns.

Commutative – Numbers can be multiplied in any order.

Dividend – In division, the number that is divided.

Divisor – In division, the number by which another is divided.

Exchange – Change a number or expression for another of an equal value.

Factor – A number that multiplies with another to make a product.

Multiplicand – In multiplication, a number to be multiplied by another.

Partitioning – Splitting a number into its component parts.

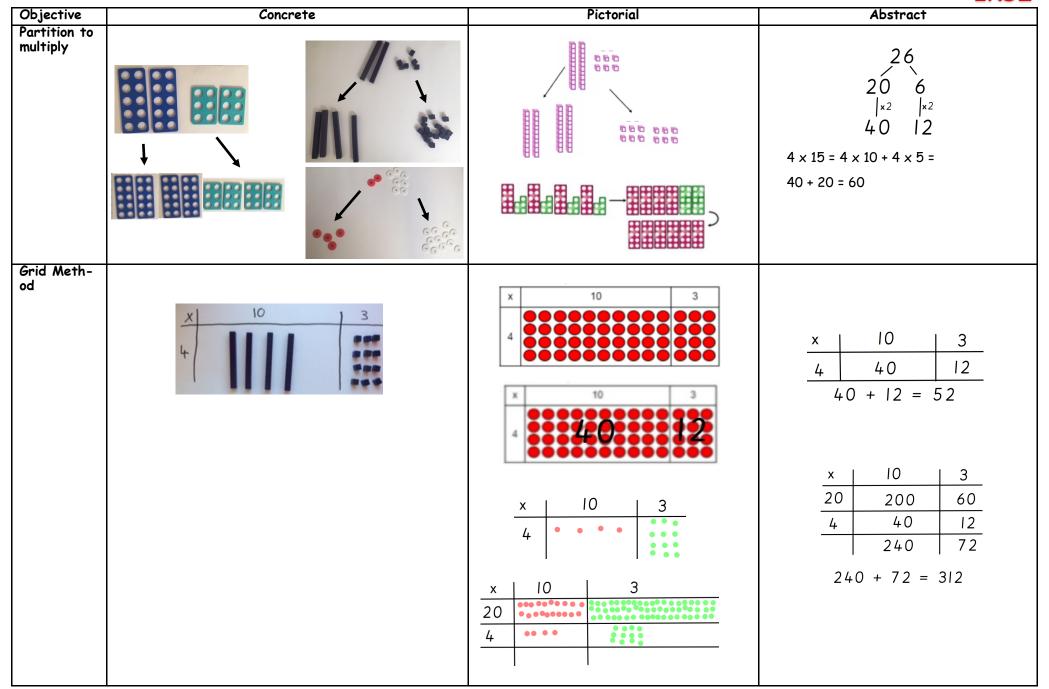
Product – The result of multiplying one number by another.

Quotient - The result of a division

Remainder – The amount left over after a division when the divisor is not a factor of the dividend.

Scaling – Enlarging or reducing a number by a given amount, called the scale factor

Objective	Concrete		Pictorial	Abstract
Doubling				Double 4 is 8
			• • _ • • • •	4 + 4 = 8
			• • • • • •	2 × 4 = 8
				Double 3 is 6
				3 + 3 = 6
				2 x 3 = 6
Counting in multiples (Repeated Addition)		8	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Count in multiples of a number aloud.
, radinion,			Ba Ba Ba Ba Ba	2 + 2 + 2 + 2 + 2 = 10
	pics	2	40° 40° 40° 40°	Write sequences with multiples of num-
			0 5 10 15 20 25 30	bers.
		0	Euster Town Town Town	0,2,4,6,8,10,12 0,5,10,15,20,25,30
				4 x 3 = 12
	A 9 00			?
Using ar-				3 + 3 + 3 + 3 + 3 = 15
rays/ commuta-			AND AND STREET STREET,	5 + 5 + 5 = 15
tivity			製用資料 HAMMAN	
				5 × 3 = 15
				3 × 5 = 15
		••		3 x 5 = 5 x 3
				1



Objective	Concrete	Pictorial	Abstract
Short Mul- tiplication - Expanded Method	Tens Ones	10 3 4 40 12	Expanded with notation. $ \begin{array}{c} $
Short Mul- tiplication - Compact	2000 700 40 1 2000 700 40 1 6 2000 700 40 1		6 multiplied by 1 is 6. Write a 6 in the ones column of the answer. 6 multiplied by 40 is 240. Write the 4 into the tens column. We cannot write the 2 in the hundreds column yet as there may be more to come. Write the 2 underneath the calculation in the hundreds column. 6 multiplied by 700 is 4200. We have 2 hundreds from 4200 and 2 hundreds from 6 x 4 = 240. We have 4 hundreds altogether. We cannot write the 4 in the thousands column yet as there may be more to come. Write the 4 underneath the calculation in the thousands column.
			<u>x 6</u> <u>446</u>

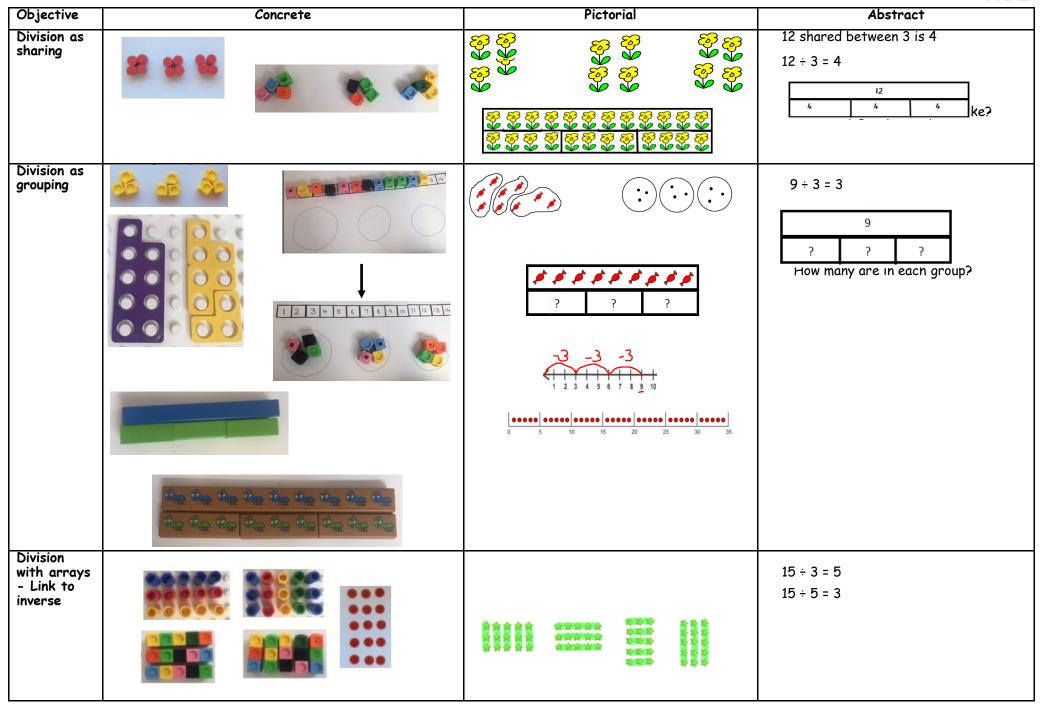
Objective	Concrete	Pictorial	Abstract
	6 • • • • • • • • • • • • • • • • • • •		6 multiplied by 2000 is 12000. We have 2 thousands from 12000 and 4 thousands from 6 x 700 = 4200. We have 6 thousands altogether. Finally, as there are no
			more numbers to multiply, we can write the 1 from $2 \times 200 = 12000$ in the ten thousands column. $ \frac{2741}{4} = \frac{6}{446} $
Long Multi- plication - Expanded		100 20 4 20 2000 400 80 6 600 120 24	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
			Expanded without 120 notation. 600 80 400 2000 3224

sentially do compact short multiplication twice: 6 x 124 and then 20 x 124. 6 x 4 is 24. Write a 4 in the ones column of the answer. We cannot write the 2 in the tens column yet as there may be more to come. Write the 2 underneath this be more to come in the tens column. 6 x 20 is 120 We have 2 tens from 120 and 2 tens from 120 and 2 tens from 6 x 4 = 24 We have 4 tens in total. Write the 4 in the tens column, We cannot write the 1 in the hundreds column yet as there may be more to come. Write the 1 underneath the sub-answ	Objective	Concrete	Pictorial	Abstract
\ \frac{\times 2}{4}	Long Multi- plication -	Concrete	Pictorial	To do compact long multiplication we essentially do compact short multiplication twice: 6 x 124 and then 20 x 124. 6 x 4 is 24. Write a 4 in the ones column of the answer. We cannot write the 2 in the tens column yet as there may be more to come. Write the 2 underneath this sub-answer in the tens column. 6 x 20 is 120 We have 2 tens from 120 and 2 tens from 6 x 4 = 24 We have 4 tens in total. Write the 4 in the tens column. We cannot write the 1 in the hundreds column yet as there may be more to come. Write the 1 underneath the sub-answ in the hundreds column. 8 x 26 4 4 4 6 x 100 is 600 We have 6 hundreds from 600 and 1 hundred from 6 x 20 = 120. We have 7 hundreds in total.

744

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Concrete	Pictorial	Abstract	
		20 x 4 is 80. Write the 0 in the ones column and the 8 in the tens column.	124 x 26 744 %80
		20×2 is 400. Write the 4 in the hundreds column. 20×100 is 2000. Write the 2 in the thousands column.	124 x 26 744 2480
		Finally add both answers together using column addition.	124 x 26 744 2480 3224
	Concrete	Concrete Pictorial	20 × 4 is 80. Write the 0 in the ones column and the 8 in the tens column. 20 × 2 is 400. Write the 4 in the hundreds column. 20 × 100 is 2000. Write the 2 in the thousands column.

Key Stage	Key Vocabulary
KS1	Groups of, lots of, times, array, altogether, multiply, count, multiplied by, repeated addition, column, row, tens, units, value
LKS2	Groups of, lots of, times, array, altogether, multiply, count, multiplied by, repeated addition, column, row, commutative, sets of, equal groups, times as big as, once, twice, three times, partition, grid method, multiple, product, tens, units, value, inverse, multiplicand, scaling
UKS2	Groups of, lots of, times, array, altogether, multiply, count, multiplied by, repeated addition, column, row, commutative, sets of, equal groups, times as big as, once, twice, three times, partition, grid method, multiple, product, tens, units, value, inverse, square, factor, integer, decimal, short/long multiplication, exchange, multiplicand, scaling



Objective	Concrete	Pictorial	Abstract
Division with remainders	## ## ## ## ## ## ## ## ## ## ## ## ##		14 ÷ 4 = 3 r2
		0 4 8 12 14	

Objective	Concrete	Pictorial	Abstract
Short divi- sion			Begin with division with no remainders. 438 ÷ 6 We must start with the hundreds. This number has 4 (hundreds). 4 (hundreds) divided by 6 is 0. Write 0 in the hundreds column. 6 438
			Now we must exchange the 4 (hundreds) for tens. In total we now have 43 tens. 43 (tens) 07 divided by 6 is 7 (tens) with 1 ten remaining. Write the 7 in the tens column.
			Exchange the 1 left over ten for 10 ones. We now have 18 ones. 18 (ones) divided by 6 is 3. Write the 3 in the ones column. $ \begin{array}{c} 07 \\ 4^{\circ}3^{\circ}8 \end{array} $
			Move on to division with remainders
			Finally move on to division with decimal places to divide the total accurately. $ \begin{array}{r} 086 \\ x2 \\ 5 \overline{)432} \end{array} $
	6		020.5 6 123.0

Objective	Concrete	Pictorial	Abstract	icai c
Long divi- sion			432 ÷ 15 = We must start with the hundreds number.	15 432
			4 (hundreds) divided by 15 is 0. Write 0 in the hundreds column.	0 15 432
			Now we must exchange 4 hundreds for tens. In total we now have 43 (tens). 43 (tens) divided by 15 is 2 (tens).	0 <u>2</u> 15 432
			Write 2 in the tens column 2 (tens) multiplied by 15 30. Write 30 underneath 43.	
			43 subtract 30 is 13.	02 15 432 <u>- 30</u>
			Bring down the 2. In total we now have 132 (ones).	02 15 4 3 2 - 30 13
				02 15 4 3 2 - 30 1 13 2

Objective	Concrete	Concrete Pictorial Abstract		
Long divi- sion			132 (ones) divided by 15 is 8. Write 8 in the ones column.	02 <mark>8</mark> 15 4 3 2 - 30 1 132
			8 (ones) multiplied by 15 is 120 (ones). Write 120 underneath 132.	028 15 432 - 30 1 132 -120
			132 subtract 120 is 12.	<u>-120</u>
			12 is the remainder.	028x12 15 432
				15 4 3 2 30 - 13 2 -120 12

Key Stage	Key Vocabulary	
K51	Share, share equally, one each, two each, group, groups of, lots of, array, divide, divided by, divided into, division, grouping, number line	
LKS2	Share, share equally, one each, two each, group, groups of, lots of, array, divide, divided by, divided into, division, grouping, number line, left, left over, inverse, short division, carry, remainder, multiple, divisible by, factor, scaling, quotient, dividend, divisor	
UK52	Share, share equally, one each, two each, group, groups of, lots of, array, divide, divided by, divided into, division, grouping, number line, left, lef over, inverse, short division, carry, remainder, multiple, divisible by, factor, quotient, prime number, prime factors, composite number (non-prime) common factor, scaling, quotient, dividend, divisor	