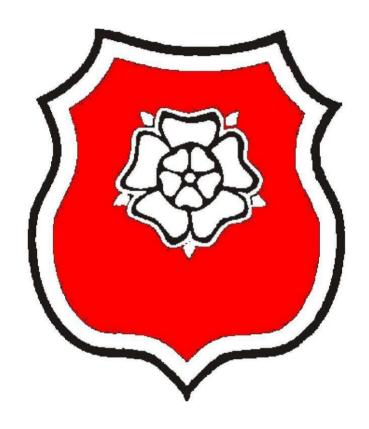
Calculation Policy St Agnes C of E Primary School



Approved by:	Mr Chris Cartwright	Date:
Last reviewed on:	October 2022	
Next review due by:	September 2023	

Calculation Policy

Mission Statement

St Agnes C of E Voluntary Aided Primary School is proud to offer to its pupils an education, which is intellectually, socially, morally, aesthetically, physically and spiritually based on Christian values. We encourage each child to develop a sense of curiosity and excitement about the world, ensuring that the curriculum provides a Christian setting in which children can grow in understanding and the acquisition of skills, attitudes and values.

All members of our School, pupils, teaching staff and non-teaching staff are to be valued and treated with mutual respect, thus promoting a healthy self-esteem.

Our School seeks to create strong links between school, home, Church and parish, providing pupils with the necessary preparation for their entry into the wider community.

We expect everyone at St Agnes Primary School to follow 'The Great Expectations' -

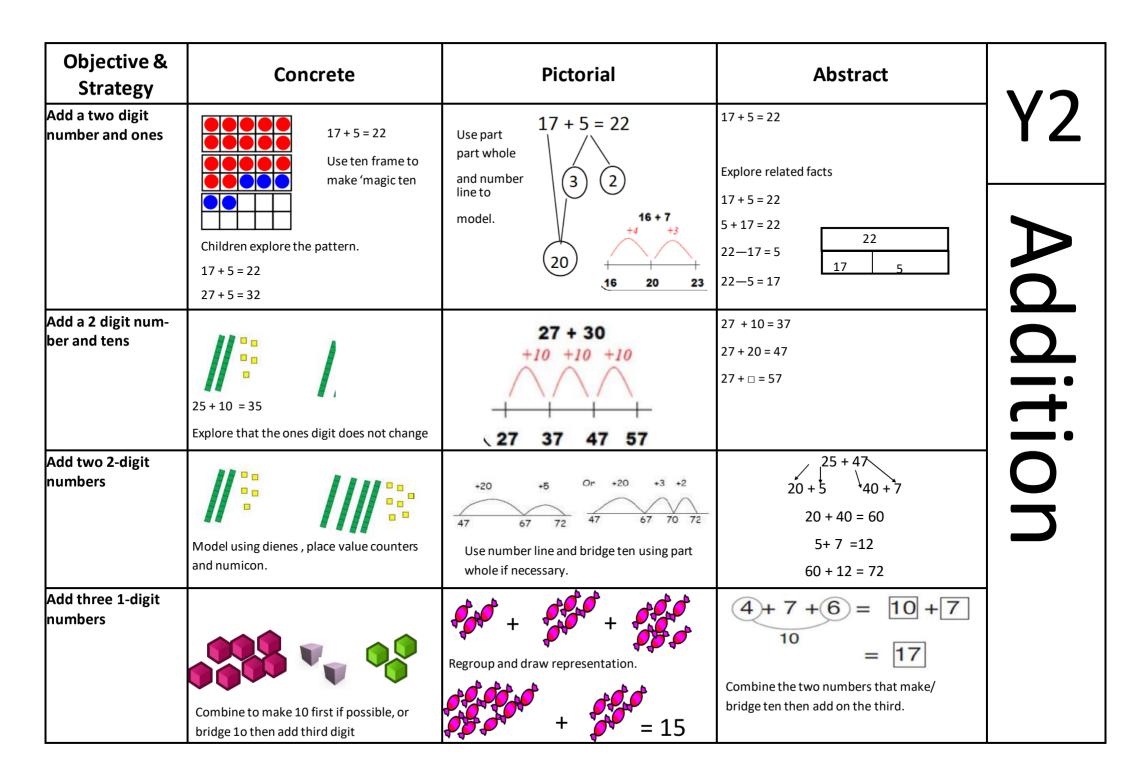
Be Safe
Be in the right place at the right time
Do your best
Handle your emotions
Use appropriate language
Cooperate
Respect everyone and everything

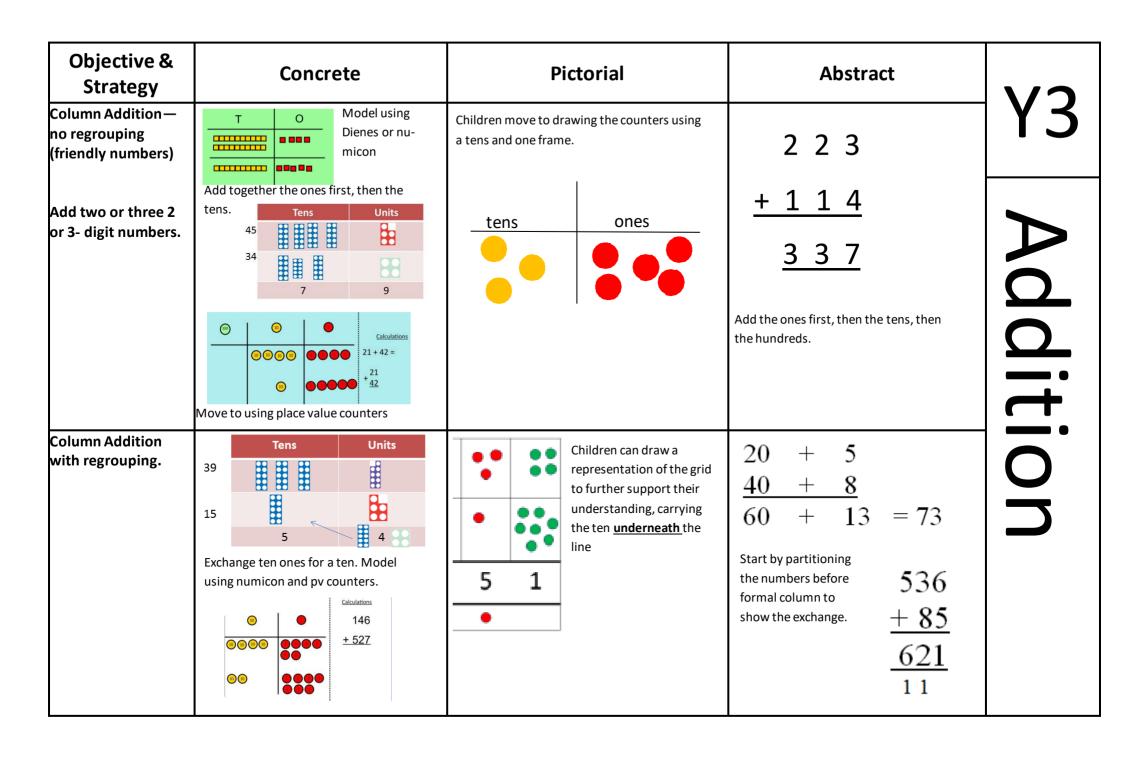
Objective & Strategy	Concrete	Pictorial	Abstract	
Counting and adding more	Children add one more person or object to a group to find one more.	Children add one more cube or counter to a group to represent one more.	Use a number line to understand how to link counting on with finding one more.	EYFS
		One more than 4 is 5.	One more than 6 is 7. 7 is one more than 6. Learn to link counting on with adding more than one. 5 + 3 = 8	itippy
Understanding part-part- whole relationship	Sort people and objects into parts and understand the relationship with the whole.	Children draw to represent the parts and understand the relationship with the whole.	Use a part-whole model to represent the numbers.	tion
	The parts are 2 and 4. The whole is 6.	The parts are 1 and 5. The whole is 6.	6 + 4 = 10 6 + 4 = 10	

Objective & Strategy	Concrete	Pictorial	Abstract	
Knowing and finding number bonds within 10	Break apart a group and put back together to find and form number bonds.	Use five and ten frames to represent key number bonds.	Use a part-whole model alongside other representations to find number bonds. Make sure to include examples where one of the parts is zero.	EYFS
	3 + 4 = 7 	5 = 4 + 1 10 = 7 + 3	a) 4 0 4 0 4 0 4 + 0 = 4 3 + 1 = 4	Additi
Adding by counting on	Children use knowledge of counting to 20 to find a total by counting on using people or objects. 8 on 9 10 11	Children use counters to support and represent their counting on strategy.		ion

Objective & Strategy	Concrete	Pictorial	Abstract	
Combining two parts to make a whole: part- whole model	Use part part whole model. Use cubes to add two numbers together as a group or in a bar.	Use pictures to add two numbers together as a group or in a bar.	4 + 3 = 7 Use the part-part 10 = 6 + 4 whole diagram as shown above to move into the abstract.	Y
Starting at the big- ger number and counting on	Start with the larger number on the bead string and then count on to the smaller number 1 by 1 to find the answer.	12 + 5 = 17 10 11 12 13 14 15 16 17 18 19 20 Start at the larger number on the number line and count on in ones or in one jump to find the answer.	5 + 12 = 17 Place the larger number in your head and count on the smaller number to find your answer.	QQI
Regrouping to make 10. This is an essential skill for column addition later.	Start with the bigger number and use the smaller number to make 10. Use ten frames.	Use pictures or a number line. Regroup or partition the smaller number using the part part whole model to make 10. 9 + 5 = 14 1 4 1 4 1 4 1 4 1 4 1 4 1 4	7 + 4= 11 If I am at seven, how many more do I need to make 10. How many more do I add on now?	tion
Represent & use number bonds and related subtraction facts within 20	2 more than 5.	Draw 2 more hats 5 + 2 =	Emphasis should be on the language '1 more than 5 is equal to 6.' '2 more than 5 is 7.' '8 is 3 more than 5.'	

Objective & Strategy	Concrete	Pictorial	Abstract	Va
Adding multiples of ten	50= 30 = 20	3 tens + 5 tens =tens	20 + 30 = 50 70 = 50 + 20 40 + \square = 60	Y2
	Model using dienes and bead strings	Use representations for base ten.	40 + □ = 60	
Use known number facts Part part whole	Children explore ways of making numbers within 20	20		ddi
Using known facts		$\begin{array}{cccc} \vdots & + & \vdots & = & \vdots \\ & & & & & & \\ & & & & & & \\ & & & &$	3 + 4 = 7 leads to 30 + 40 = 70 leads to 300 + 400 = 700	ition
Bar model	3 + 4 = 7	7 + 3 = 10	23 25 ? 23 + 25 = 48	





	T	1		
Objective & Strategy	Concrete	Pictorial	Abstract	\/A 6
Y4—add numbers with up to 4 digits	Children continue to use dienes or pv counters to add, exchanging ten ones for a ten and ten tens for a hundred and ten hundreds for a thousand. Hundreds Tens Ones	7 1 5 1 Draw representations using place value grid.	3517 + 396 3913 Continue from previous work to carry hundreds as well as tens. Relate to money and measures.	Y4-6 Adc
Y5—add numbers with more than 4 digits. Add decimals with 2 dec- imal places, including money.	As year 4 tens ones tenths hundredths Introduce decimal place value counters and model exchange for addition.	tens ones tentes hundredtes	72.8 +54.6 127.4 1 1	lition
Y6—add several numbers of increasing complexity Including adding money, measure and decimals with different numbers of decimal points.	As Y5	As Y5	8 1,05 9 3,66 8 15,30 1 + 20,55 1 1 2 0,5 7 9 1 1 1 1 Insert zeros for place holders. 2 3 · 3 6 1 9 · 0 8 0 7 7 7 0 1 · 3 0 0 9 3 · 5 1 1 2 1 · 2	

Objective & Strategy	Concrete	Pictorial	Abstract	5 \/ 5 0
Counting back and taking away	Children arrange objects and remove to find how many are left.	Children draw and cross out or use counters to represent objects from a problem.	Children count back to take away and use a number line or number track to support the method.	EYFS
			876	
	1 less than 6 is 5. 6 subtract 1 is 5.		0 1 2 3 4 5 6 7 8 9 10	
		9 – _ = _ There are _ children left.	9 - 3 = 6	7
Finding a missing part, given a whole and a part	Children separate a whole into parts and understand how one part can be found by subtraction.			Subtra
	<i>8</i> − 5 = ?			actio
Subtraction within 10	Understand when and how to subtract 1s efficiently.	Understand when and how to subtract 1s efficiently.	Understand how to use knowledge of bonds within 10 to subtract efficiently.	
	Use a bead string to subtract 1s efficiently.		5 - 3 = 2	00
	5 - 3 = 2	5 - 3 = 2		

Objective & Strategy	Concrete	Pictorial	Abstract	\//
Taking away ones.	Use physical objects, counters, cubes etc to show how objects can be taken away. $6-4=2$		7—4 = 3	YI
	4-2 = 2	$15 - 3 = \boxed{12}$ Cross out drawn objects to show what has been taken away.	16—9 = 7	duS
Counting back	Move objects away from the group, counting backwards. Move the beads along the bead string as you count backwards.	$5 - 3 = 2$ $\begin{array}{c} 5 - 3 = 2 \\ \hline \\ \text{Count back in ones using a number line.} \end{array}$	Put 13 in your head, count back 4. What number are you at?	btrac
Find the Difference	Compare objects and amounts 7 'Seven is 3 more than four' 4 'I am 2 years older than my sister' 5 Pencils Lay objects to represent bar model.	Count on using a number line to find the difference. +6 0 1 2 3 4 5 6 7 8 9 10 11 12	Hannah has 12 sweets and her sister has 5. How many more does Hannah have than her sister.?	tion

Objective & Strategy	Concrete	Pictorial	Abstract	V1
Represent and use number bonds and related subtraction	Link to addition. Use PPW model to model the inverse.		Move to using numbers within the part whole model.	Y1
Facts within 20 Part Part Whole model	If 10 is the whole and 6 is one of the arts, what s the other part?		12 5	15
	10—6 = 4	Use pictorial representations to show the part.	7	
Make 10	14—9 Make 14 on the ten frame. Take 4 away to make ten, then take one more away so	13—7 13—7=6 Jump back 3 first, then another 4. Use ten	16—8 How many do we take off first to get to 10? How many left to take off?	Subtra
Bar model	that you have taken 5.	as the stopping point.	8 2	Ctic
	5—2 = 3		10 = 8 + 2 10 = 2 + 8 10-2 = 8)
			10—8 = 2	

Concrete	Pictorial	Abstract	
		20—4 = 16	Y2
Use a PV chart to show how to change a ten into ten ones, use the term 'take and make'	20 - 4 =		
Use Dienes to show how to partition the number when subtracting without regrouping.	Children draw representations of Dienes and cross off. 43—21 = 22	43—21 = 22	Subtra
34—28 Use a bead bar or bead strings to model counting to next ten and the rest.	76 80 90 93 'counting on' to find 'difference' Use a number line to count on to next ten and then the rest.	93—76 = 17	Ction
	Use a PV chart to show how to change a ten into ten ones, use the term 'take and make' 34—13 = 21 Use Dienes to show how to partition the number when subtracting without regrouping. 34—28 Use a bead bar or bead strings to model	Use a PV chart to show how to change a ten into ten ones, use the term 'take and make' 34—13 = 21 Use Dienes to show how to partition the number when subtracting without regrouping. 43—21 = 22 Use a bead bar or bead strings to model Use a bead bar or bead strings to model	Use a PV chart to show how to change a ten into ten ones, use the term 'take and make' 34—13 = 21 Use Dienes to show how to partition the number when subtracting without regrouping. 34—21 = 22 Use a PV chart to show how to change a ten into ten ones, use the term 'take and make' 43—21 = 22 43—21 = 22 Use Dienes to show how to partition the number when subtracting without regrouping. 43—21 = 22 Use a PV chart to show how to change a ten into ten ones, use the term 'take and cross off. 43—21 = 22 Use Dienes to show how to partition the number when subtracting without regrouping. 43—21 = 22 Use a PV chart to show how to change a ten into ten ones, use the term 'take and cross off. 43—21 = 22 Use Dienes to show how to partition the number when subtracting without regrouping. 43—21 = 22 Use a PV chart to show how to change a ten into ten ones, use the term 'take and cross off. 43—21 = 22 Use a PV chart to show how to change a ten into ten ones, use the term 'take and cross off. 43—21 = 22 Use a PV chart to show how to change a ten into ten into ten ones ten into ten ones ten into ten in

Objective & Strategy	Concrete	Pictorial	Abstract	\/O
Column subtraction without regrouping (friendly numbers)	47—32	Calculations 54 -22 30	47-24=23 - <u>40+7</u> - <u>20+4</u> - <u>20+3</u>	Y3
	Use base 10 or Numicon to model	Darw representations to support understanding	Intermediate step may be needed to lead to clear subtraction under- standing.	NS
Column subtraction with regrouping	Tens Units	45 -29 Tens 10 nes	836-254=582 360 136 6 Begin by partitioning into pv columns	Subtr
	Begin with base 10 or Numicon. Move to pv counters, modelling the exchange of a ten into tten ones. Use the phrase 'take and make' for exchange.	Children may draw base ten or PV counters and cross off.	7 28 - 582 = 146 7 2 8 5 8 2	acti
				0

Objective & Strategy	Concrete	Pictorial	Abstract	
Subtractingtens	22 <i>1</i> - 179	Children to draw pv counters and show their		Y4-6
and ones	000	exchange—see Y3	2 7 5 4	
Year 4 subtract with			-1562	
up to 4 digits.			1192	
Introduce decimal subtrac-	0000		 	10
tion through context of money			Use the phrase 'take and make' for ex-	\mathbf{O}_{J}
ŕ	Model process of exchange using Numi-		change	
	con, base ten and then move to PV coun-			
	ters.			
Year 5- Subtract	As Year 4	Children to draw pv counters and show their	2 'X '0 'X '6	Subtra
with at least 4 dig-		exchange—see Y3	Use - 2 1 2 8	
its, including money			zeros 2 8, 9 2 8	—
and measures.			for place-	\circ
Subtract with decimal			holders 7'8 6 9 0	70
values, including mixtures of integers and decimals			- <u>372·5</u> 6796·5	
and aligning the decimal			67763	Cti
Year 6—Subtract			% " 8 10°. '6 9 9	
with increasingly			- 89,949	
large and more			60,750	U
complex numbers				_
and decimal values.			1/ 10 15 · 3/4 11 9 kg	
			- 36 · 08 0 kg	
			69·339kg	

Objective & Strategy	Concrete	Pictorial	Abstract	
Doubling	Use practical activities using manipultives including cubes and Numicon to demonstrate doubling + = = = = = = = = = = = = = = = = = =	Double 4 is 8	Partition a number and then double each part before recombining it back together. 16 10 6 1 x2 1 x2 20 12	Y1
Counting in multiples	Count the groups as children are skip counting, children may use their fingers as they are skip counting.	Children make representations to show counting in multiples.	+ = 32 Count in multiples of a number aloud. Write sequences with multiples of numbers. 2, 4, 6, 8, 10 5, 10, 15, 20, 25, 30	Multiplica
Making equal groups and counting the total	Use manipulatives to create equal groups.	Draw to show 2 x 3 = 6 Draw and make representations	2 x 4 = 8	tion

Objective & Strategy	Concrete	Pictorial	Abstract	
Repeated addition	3 + 3 + 3	Use pictorial including number lines to solve lems prob There are 3 sweets in one bag. How many sweets are in 5 bags altogether? 3+3+3+3+3	Write addition sentences to describe objects and pictures.	Y1
	Use different objects to add equal groups	= 15	2+2+2+2=10	Multi
Understanding arrays	Use objects laid out in arrays to find the answers to 2 lots 5, 3 lots of 2 etc.	Draw re standin	3 x 2 = 6 2 x 5 = 10	tiplica
				tion

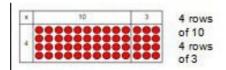
Objective & Strategy	Concrete	Pictorial	Abstract
Doubling	Model doubling using dienes and PV counters. 40 + 12 = 52	Draw pictures and representations to show how to double numbers	Partition a number and then double each part before recombining it back together. 16 10 6 12 20 12 32
Counting in multiples of 2, 3, 4, 5, 10 from 0 (repeated addition)	Count the groups as children are skip counting, children may use their fingers as they are skip counting. Use bar models. 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 40	Number lines, counting sticks and bar models should be used to show representation of counting in multiples.	Count in multiples of a number aloud. Write sequences with multiples of numbers. 0, 2, 4, 6, 8, 10 0, 3, 6, 9, 12, 15 0, 5, 10, 15, 20, 25, 30
	?	3 3 3 3	4 × 3 = 4 × 3 =

Objective & Strategy	Concrete	Pictorial	Abstract	Y2
Multiplication is commutative	Create arrays using the best and	Use representations of arrays to show different calculations and explore commutativity.	12 = 3 × 4	
	Pupils should understand that an array can represent different equations and that, as multiplication is commutative, the order of the multiplication does not affect the answer.		Use an array to write multiplication sentences and reinforce repeated addition. 5 + 5 + 5 = 15 3 + 3 + 3 + 3 + 3 = 15 5 x 3 = 15 3 x 5 = 15	Multipli
Using the Inverse This should be taught alongside division, so pupils learn how they work alongside each other.		8 X =	$2 \times 4 = 8$ $4 \times 2 = 8$ $8 \div 2 = 4$ $8 \div 4 = 2$ $8 = 2 \times 4$ $8 = 4 \times 2$ $2 = 8 \div 4$ $4 = 8 \div 2$ Show all 8 related fact family sentences.	lication

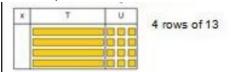
Objective & Strategy Grid method S

Concrete

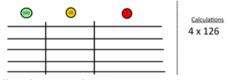
Show the links with arrays to first introduce the grid method.



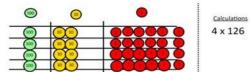
Move onto base ten to move towards a more compact method.



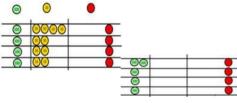
Move on to place value counters to show how we are finding groups of a number. We are multiplying by 4 so we need 4 rows



Fill each row with 126



Add up each column, starting with the ones making any exchanges needed

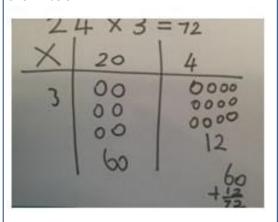


Then you have your answer.

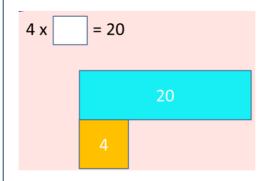
Pictorial

Children can represent their work with place value counters in a way that they understand.

They can draw the counters using colours to show different amounts or just use the circles in the different columns to show their thinking as shown below.



Bar model are used to explore missing numbers



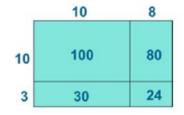
Abstract

Start with multiplying by one digit numbers and showing the clear addition alongside the grid.

×	30	5
7	210	35

$$210 + 35 = 245$$

Moving forward, multiply by a 2 digit number showing the different rows within the grid method.



Y3

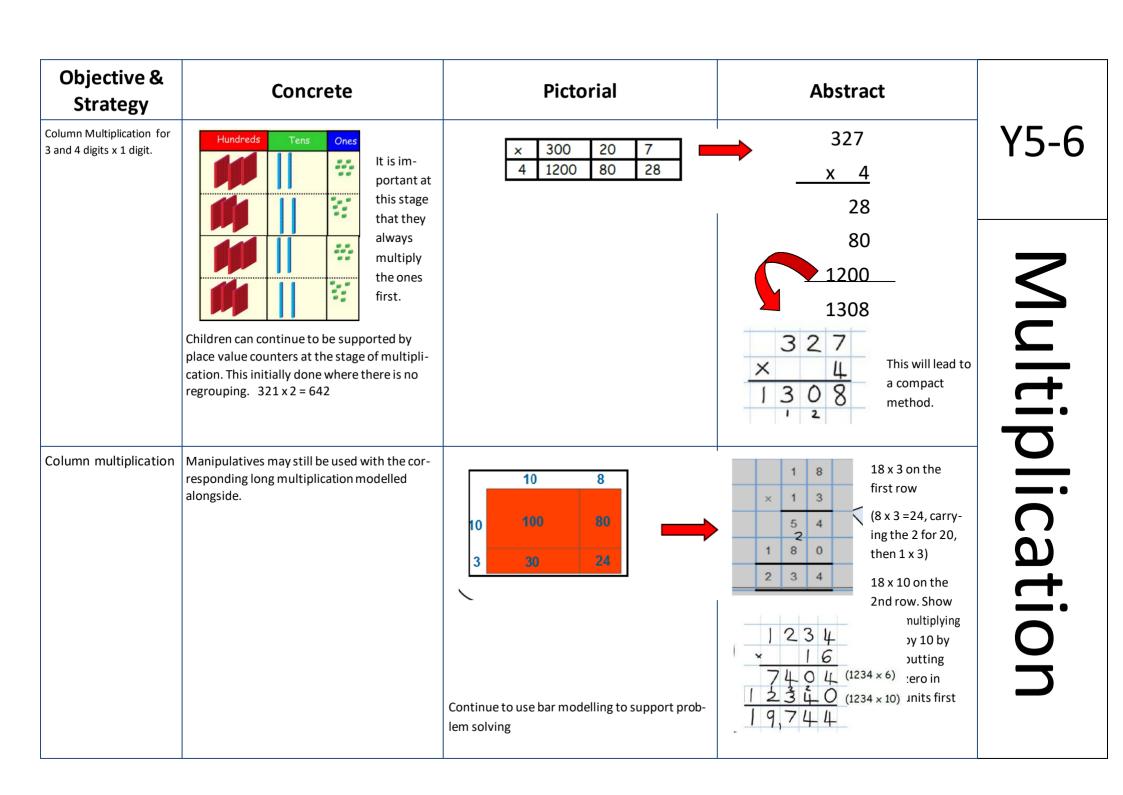
Concrete **Pictorial Abstract** Objective & Strategy Children can represent their work with place Grid method recap Use place value counters to show how we value counters in a way that they understand. from year 3 for 2 Start with multiplying by one digit numare finding groups of a number. We are mulbers and showing the clear addition They can draw the counters using colours to digits x 1 digit tiplying by 4 so we need 4 rows alongside the grid. show different amounts or just use the circles in the different columns to show their thinking as Calculations 5 × 30 4 x 126 shown below Move to multiplying 210 35 7 = 72 3 digit numbers by Fill each row with 126 210 + 35 = 2451 digit. (year 4 expectation) 0000 0000 0000 Add up each colu mn, starting with theones making any exchanges needed Column multiplication | Children can continue to be supported by 327 20 place value counters at the stage of multipli-300 cation. This initially done where there is no 28 1200 80 Χ regrouping. $321 \times 2 = 642$ 28 Ones The grid method my be used to show how this relates to a formal written method. 80 It is important at 1200 this stage that they 1308 always multiply This may lead 480 -8=(472 the ones to a compact Bar modelling and number lines can support first. method. learners when solving problems with multiplica-

tion alongside the formal written methods.

The corresponding long multiplication is mod-

elled alongside

Υ4



Objective & Strategy	Concrete	Pictorial	Abstract	
Multiplying decimals up to 2 decimal places by a single digit.			Remind children that the single digit belongs in the units column. Line up the decimal points in the question and the answer.	Y6
			3 · 1 9 × 8 2 5 · 5 2	Multiplication

Objective & Strategy	Concrete	Pictorial	Abstract	E)/E6
Double and halving		Represent a whole and work out how many equal groups.		EYFS
Grouping	groups of a certain size can be made.	(0000) (0000)		
	Sort a whole set people and objects into equal groups.	There are 10 in total. There are 5 in each group. There are 2 groups.		Divisi
Double and halving Sharing	Share a set of objects into equal parts and work out how many are in each part.			ision

Objective & Strategy	Concrete	Pictorial	Abstract	
Division as sharing Use Gordon ITPs for	6,6	Children use pictures or shapes to share quantities.	12 shared between 3 is 4	Y1
modelling	I have 10 cubes, can you share them equally in 2 groups?	Sharing: Shared between 3 is 4		Division

Objective & Strategy	Concrete	Pictorial	Abstract	
Division as sharing	I have 10 cubes, can you share them equally in 2 groups?	Children use pictures or shapes to share quantities. $8 \div 2 = 4$ Children use bar modelling to show and support understanding.	12 ÷ 3 = 4	Y2 Divisi
Division as grouping	Divide quantities into equal groups.	12 ÷ 4 = 3 Use number lines for grouping	28 ÷ 7 = 4	Sio
	Use cubes, counters, objects or place value counters to aid understanding.	0 1 2 3 4 5 6 7 8 9 10 11 12	Divide 28 into 7 groups. How many are in each group?	Ď
		12 ÷ 3 = 4 Think of the bar as a whole. Split it into the number of groups you are dividing by and work out how many would be within each group.		
	0 5 10 15 20 25 30 35	20 ÷ 5 = ? 5 x ? = 20		

Objective & Strategy	Concrete	Pictorial	Abstract	
Division as grouping	Use cubes, counters, objects or place value counters to aid understanding.	Continue to use bar modelling to aid solving division problems.	How many groups of 6 in 24?	Y3
		?	24 ÷ 6 = 4	
	24 divided into groups of 6 = 4	$20 \div 5 = ?$ 5 x ? = 20		<u> </u>
	96 ÷ 3 = 32			
Division with arrays	Link division to multiplication by creating an array and thinking about the number sentences that can be created.	Draw an array and use lines to split the array into groups to make multiplication and division sentences	Find the inverse of multiplication and division sentences by creating eight linking number sentences. 7 x 4 = 28 4 x 7 = 28 28 ÷ 7 = 4 28 ÷ 4 = 7	9
	Eg $15 \div 3 = 5$ $5 \times 3 = 15$ $15 \div 5 = 3$ $3 \times 5 = 15$		28 = 7 x 4 28 = 4 x 7 4 = 28 ÷ 7 7 = 28 ÷ 4	

Objective & Strategy	Concrete	Pictorial	Abstract	
Division with remainders.	14 ÷ 3 = Divide objects between groups and see how much is left over	Jump forward in equal jumps on a number line then see how many more you need to jump to find a remainder.	Complete written divisions and show the remainder using r. $29 \div 8 = 3 \text{ REMAINDER 5}$ $\uparrow \qquad \uparrow \qquad \uparrow$ dividend divisor quotient remainder	Y4-6
		Draw dots and group them to divide an amount and clearly show a remainder.		Division
		Use bar models to show division with remainders. 37 10 10 10 7		On
	Example withou 40 ÷ 5 Ask "How many Example with re 38 ÷ 6 For larger number jumps can be received."	5s in 40?" 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 8 f 0 5 10 15 20 25 30 35 40	a remainder of 2	

Objective & Strategy	Concrete	Pictorial	Abstract	
_	96 ÷ 3 Tens Units 3 2 90 90 90 90 90 90 90 90 90 90 90 90 90 9	Students can continue to use drawn diagrams with dots or circles to help them divide numbers into equal groups. Encourage them to move towards counting in multiples to divide more efficiently.	Abstract Begin with divisions that divide equally with no remainder. 2 1 8 3 4 8 7 2 Move onto divisions with a remainder. 8 6 r 2 5 4 3 2 Finally move into decimal places to divide the total accurately.	Y4-6 Divisio
	we exchange this ten for ten ones and then share the ones equally among the groups. We look how much in 1 group so the answer is 14.		1 4 . 6 16 21 3 5 5 1 1 . 0	5

Step 1—a remainder in the ones.

- 4 does not go into 1 (hundred). So combine the 1 hundred with the 6 tens (160).
- 4 goes into 16 four times.
- 4 goes into 5 once, leaving a remainder of 1.

- 8 does not go into 3 of the thousands. So combine the 3 thousands with the 2 hundreds (3,200).
- 8 goes into 32 four times $(3.200 \div 8 = 400)$
- 8 goes into 0 zero times (tens).
- 8 goes into 7 zero times, and leaves a remainder of 7.

Division

Step 1— continued.

When dividing the ones, 4 goes into 7 one time. Multiply $1 \times 4 = 4$, write that four under the 7, and subract. This finds us the remainder of 3.

Check: $4 \times 61 + 3 = 247$

When dividing the ones, 4 goes into 9 two times. Multiply $2 \times 4 = 8$, write that eight under the 9, and subract. This finds us the remainder of 1.

Check: $4 \times 402 + 1 = 1,609$

Division

Division

Step 2— a reminder in the tens.

1. Divide.	2. Multiply & subtract.	3. Drop down the next digit.	
t o 2 2)58	t o 2 2)58 -4 1	t o 29 2)58 -41 18	
Two goes into 5 two times, or 5 tens ÷ 2 = 2 whole tens but there is a remainder!	To find it, multiply 2 × 2 = 4, write that 4 under the five, and subtract to find the remainder of 1 ten.	Next, drop down the 8 of the ones next to the leftover 1 ten. You combine the remainder ten with 8 ones, and get 18.	

1. Divide.	2. Multiply & subtract.	3. Drop down the next digit.	
t o	t o	t o	
2 9 2) 5 8	29	2 9 2) 5 8	
- <u>4</u>	- 4 1 9	- 4 1 0	
10	<u>- 1 8</u> 0	- <u>18</u> 0	
Divide 2 into 18. Place 9 into the quotient.	Multiply 9 × 2 = 18, write that 18 under the 18, and subtract.	The division is over since there are no more digits in the dividend. The quotient is 29.	

Long Division

Step 2— A remainder in any of the place values.

1. Divide.	2. Multiply & subtract.	3. Drop down the next digit.	
h t o 1 2)278	1 2)278 -2 0	18 2)278 -2↓ 07	
Two goes into 2 one time, or 2 hundreds ÷ 2 = 1 hundred.	Multiply 1 × 2 = 2, write that 2 under the two, and subtract to find the remainder of zero.	Next, drop down the 7 of the tens next to the zero.	
Divide.	Multiply & subtract.	Drop down the next digit.	
1 3 2) 2 7 8 -2 0 7	13 2)278 -2 07 -6	13 2)278 -2 07 -6 18	
Divide 2 into 7. Place 3 into the quotient.	Multiply 3 × 2 = 6, write that 6 under the 7, and subtract to find the remainder of 1 ten.	Next, drop down the 8 of the ones next to the 1 leftover ten.	
1. Divide.	2. Multiply & subtract.	3. Drop down the next digit.	
13 <mark>9</mark> 2)278 -2 07 -6 18	139 2)278 -2 07 -6 18 -18	139 2)278 -2 07 -6 18 -18	
Divide 2 into 18. Place 9 into the quotient.	Multiply 9 × 2 = 18, write that 18 under the 18, and subtract to find the remainder of zero.	There are no more digits to drop down. The quotient is 139.	

Y6

Division



This policy has been largely adapted from the White Rose Maths Hub Calculation Policy with further material added by Cliffe VC Primary School. It is a working document and will be revised and amended as necessary.

Data Protection Statement

The procedures and practice created by this policy have been reviewed in the light of our Data Protection Policy.

All data will be handled in accordance with the school's Data Protection Policy.

Data Audit For This Policy					
What ?	Probable Content	Why ?	Who ?	Where ?	When ?
Child's Name	Name	Log-in Information	All Staff (Where Necessary) Parents Children	Kept in children's file or shredded.	Kept in children's file or sent home.

As such, our assessment is that this policy :

Has Few / No Data Compliance Requirements	Has A Moderate Level of Data Compliance Requirements	Has a High Level Of Data Compliance Requirements
✓		