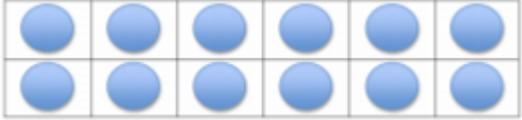




Woodland Academy Trust
Year 3 Calculation Document

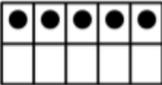
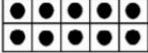
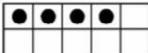
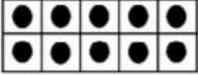
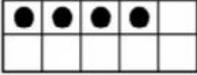
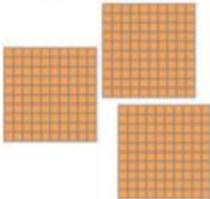
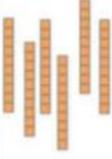
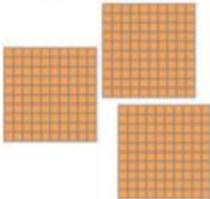
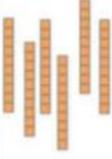
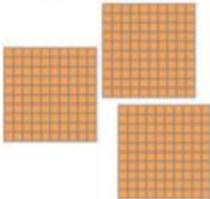
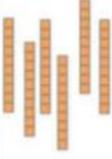
Progression in the use of manipulatives to support learning (How we support children's concrete understanding of maths)						
Foundation	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Real-life objects	Real-life objects	Mini-whiteboards	Mini-whiteboards	Mini-whiteboards	Mini-whiteboards	Mini-whiteboards
0 – 9 digit cards	0 – 9 digit cards	Place value cards			Protractors	Protractors
Number track/line to 20	Number line to 20 and 50	Number line to 100	Number line to 100	Number line including negative numbers	Number line including negative numbers	Number line including negative numbers
Meter/Counting stick	Meter/Counting stick	Meter/Counting stick	Meter/Counting stick	Meter/Counting stick	Meter/Counting stick	Meter/Counting stick
		Transparent rulers	Transparent rulers	Transparent rulers	Transparent rulers	Transparent rulers
Tens frame	Tens frame and hundred square	Tens frame and hundred square	Tens frame and hundred square	Tens frame and hundred square	Tens frame and hundred square	Tens frame and hundred square
Building blocks	Place value charts – Tens and ones	Place value charts – Ones to hundreds	Place value charts – Ones to Thousands	Place value charts – Ones to Ten thousands	Place value charts to a million and three decimal places	Place value charts to 10 million and three decimal places
Containers that are different shapes and sizes	Containers that are different shapes and sizes	Fraction bars, walls, circles (centralised storage)				
Numicon shapes	Numicon shapes/ Dienes	Dienes	Dienes	Dienes	Dienes	Dienes
Sorting hoops	Sorting hoops	Sorting hoops	Place value counters	Place value counters	Place value counters	Place value counters
Big Dice	Place value arrow cards – tens and ones	Place value arrow cards – tens and ones	Place value arrow cards – H, T, O	Place value arrow cards – H, T, O	Place value arrow cards	Place value arrow cards
Part-part-whole mat	Part-part-whole mat	Part-part-whole mat	Part-part-whole model	Part-part-whole model	Part-part-whole model	Part-part-whole model
Transparent counters	Transparent counters	Transparent counters	Transparent counters	Transparent counters	Transparent counters	Transparent counters
Bar model with real-life objects	Bar model pictorial objects/ representative objects e.g. counters	Bar model with counters /Dienes progressing to numbers	Plastic mirrors	Plastic mirrors	Plastic mirrors	Plastic mirrors
Bead strings – ten	Bead strings – twenty/fifty	Bead strings - hundred	Bead strings - hundred	Bead strings - hundred	Bead strings - hundred	Bead strings - hundred
Dice	Dice	Dice	Dice	Dice	Dice	Dice
Cuisenaire rods	Cuisenaire rods	Cuisenaire rods	Cuisenaire rods	Cuisenaire rods	Cuisenaire rods	Cuisenaire rods
Double sided counters	Double sided counters	Double sided counters	Double sided counters	Double sided counters	Double sided counters	Double sided counters
Multilink – use one colour to model an amount	Multilink – use one colour to model an amount	Multilink – use one colour to model an amount	Multilink – use one colour to model an amount	Multilink – use one colour to model an amount	Multilink – use one colour to model an amount	Multilink – use one colour to model an amount
Maths balances			Weighing scales			
Solid geometric shapes (centralised storage)						
Coins and notes (centralised storage)						
Clock (geared) (centralised storage)						

Maths Working Wall (How we use displays to support children's understanding of mathematical concepts)		
Build it	Use a real-life representation of the concept, which children can see, touch and feel.	
Draw it	Show a pictorial representation of the concept.	
Solve it	Show the mathematical representation of the concept	$6 \times 2 = 12$ $2 \times 6 = 12$ $12 \div 2 = 6$ $12 \div 6 = 2$ Factors of 12 are: 1, 2, 3, 4, 6 and 12
Practise it	Encourage children to practice the concept. Interactive opportunity – ask children to respond to questions, encourage them to add what they know, leave homework for children to take to master the concept.	$1 \times 2 = 2$ $2 \times 2 = 4$ $3 \times 2 = 6$ etc.
Challenge it	Set a challenge to be solved. Interactive opportunity – leave real-life objects or manipulatives for children to use to help solve the challenge.	How many different ways can 12 eggs be arranged into arrays? What if you try 24 eggs?
Say it	Use vocabulary related to the concept	Multiply, multiplication, repeated addition, array, divide, group, multiples, factors

	EYFS/Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Addition	<p>Combining two parts to make a whole: part whole model.</p> <p>Starting at the bigger number and counting on- using cubes.</p> <p>Regrouping to make 10 using ten frame.</p>	<p>Adding three single digits.</p> <p>Use of base 10 to combine two numbers.</p>	<p>Column method- regrouping.</p> <p>Using place value counters (up to 3 digits).</p>	<p>Column method- regrouping.</p> <p>(up to 4 digits)</p>	<p>Column method- regrouping.</p> <p>Use of place value counters for adding decimals.</p>	<p>Column method- regrouping.</p> <p>Abstract methods.</p> <p>Place value counters to be used for adding decimal numbers.</p>
Subtraction	<p>Taking away ones</p> <p>Counting back</p> <p>Find the difference</p> <p>Part whole model</p> <p>Make 10 using the ten frame</p>	<p>Counting back</p> <p>Find the difference</p> <p>Part whole model</p> <p>Make 10</p> <p>Use of base 10</p>	<p>Column method with regrouping.</p> <p>(up to 3 digits using place value counters)</p>	<p>Column method with regrouping.</p> <p>(up to 4 digits)</p>	<p>Column method with regrouping.</p> <p>Abstract for whole numbers.</p> <p>Start with place value counters for decimals- with the same amount of decimal places.</p>	<p>Column method with regrouping.</p> <p>Abstract methods.</p> <p>Place value counters for decimals- with different amounts of decimal places.</p>

Multiplication	<p>Recognising and making equal groups.</p> <p>Doubling</p> <p>Counting in multiples</p> <p>Use cubes, Numicon and other objects in the classroom</p>	<p>Arrays- showing commutative multiplication</p>	<p>Arrays</p> <p>$2d \times 1d$ using base 10</p>	<p>Column multiplication- introduced with place value counters.</p> <p>(2 and 3 digit multiplied by 1 digit)</p>	<p>Column multiplication</p> <p>Abstract only but might need a repeat of year 4 first (up to 4 digit numbers multiplied by 1 or 2 digits)</p>	<p>Column multiplication</p> <p>Abstract methods (multi-digit up to 4 digits by a 2 digit number)</p>
Division	<p>Sharing objects into groups</p> <p>Division as grouping e.g. I have 12 sweets and put them in groups of 3, how many groups?</p> <p>Use cubes and draw round 3 cubes at a time.</p>	<p>Division as grouping</p> <p>Division within arrays- linking to multiplication</p> <p>Repeated subtraction</p>	<p>Division with a remainder- using lollipop sticks, times tables facts and repeated subtraction.</p> <p>$2d$ divided by $1d$ using base 10 or place value counters</p>	<p>Division with a remainder</p> <p>Short division (up to 3 digits by 1 digit- concrete and pictorial)</p>	<p>Short division</p> <p>(up to 4 digits by a 1 digit number including remainders)</p>	<p>Short division</p> <p>Long division with place value counters (up to 4 digits by a 2 digit number)</p> <p>Children should exchange into the tenths and hundredths column too</p>

Progression in the teaching of place value

Progression in the teaching of place value									
Foundation	Year 1	Year 2	Year 3 onwards						
Understanding ten	Understanding numbers up to 20	Understanding numbers up to one hundred	Understanding numbers up to one thousand						
<p>A TENS FRAME is a simple maths tool that helps children:</p> <ul style="list-style-type: none"> • Keep track of counting • See number relationships • Learn addition to 10 • Understand place value <p>Use tens frames flash cards daily to ensure children recognise amounts.</p> <p>Use empty tens frames to fill with counters to enable children to understand number relationships.</p> <p>Either fill the tens frame in pairs or in rows. In rows shows 5 as a benchmark. Children can easily see more than 5 or less.</p> <div style="text-align: center;">  </div> <p>Setting the counters in pairs, naturally allows the children to see addition concepts.</p> <p>Include other visual images such as dice, cards, dominoes etc.</p> <div style="display: flex; justify-content: space-around; align-items: center;">    </div>	<p>'Ten' is the building block of our Base 10 numeration system. Young children can usually 'read' two-digit numbers long before they understand the effect the placement of each digit has on its numerical value. A child might be able to correctly read 62 as sixty two and 26 as twenty-six, and even know which number is larger, without understanding why the numbers are of differing values.</p> <p>Ten-frames can provide a first step into understanding two-digit numbers simply by the introduction of a second frame. Placing the second frame to the right of the first frame, and later introducing numeral cards, will further assist the development of place value understanding.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;">   </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;">   </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;">   </div>	<p>Continue developing place value through the use of tens frames.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-bottom: 10px;">   </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-bottom: 10px;">   </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-bottom: 10px;">   </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-bottom: 10px;">  </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-bottom: 10px;">   </div> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	<p>Continue developing place value through the use of manipulatives including recognising 416 as 41 tens and 6 ones which is equivalent to 416 ones which is equivalent to four hundreds and one ten and six ones</p> <div style="text-align: center; margin-bottom: 10px;">  </div> <div style="display: flex; justify-content: center; align-items: center; margin-bottom: 10px;">    </div> <p>Use Dienes blocks and place value charts</p> <div style="text-align: center;"> <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">Hundreds</th> <th style="padding: 5px;">Tens</th> <th style="padding: 5px;">Ones</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; vertical-align: middle;">  </td> <td style="text-align: center; vertical-align: middle;">  </td> <td style="text-align: center; vertical-align: middle;">  </td> </tr> </tbody> </table> </div>	Hundreds	Tens	Ones			
Hundreds	Tens	Ones							
									

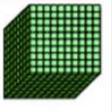
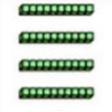
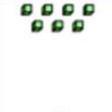
Progression in the teaching of place value

Year 4

Understanding numbers up to ten thousand

Continue developing place value through the use of manipulatives.

- Place value arrow cards
- Place value counters
- Dienes blocks
- Place value charts

thousands	hundreds	tens	ones
			
1 1,000	2 200	4 40	7 7

Continue developing place value through the use of manipulatives including recognising the number above as one thousand plus two hundred plus four tens plus seven ones is equivalent to twelve hundred plus 47 ones etc. The children must also be able to identify that this number is also 12,470 tenths

Year 5

Understanding numbers up to one million including decimals

Continue developing place value through the use of manipulatives.

- Place value arrow cards
- Place value counters (including decimal counters)
- Dienes blocks
- Place value charts

THOUSANDS			ONES		
hundred thousands	ten thousands	thousands	hundreds	tens	ones
3	0	9	2	8	1

They need to understand that there are no ten thousands in this number. The value of the digit 9 is nine thousand but there are three hundred and nine thousands in this number. They need to be able to recognise the value of the digit and the number and know that these are different. They also need to know how many tenths and hundredths are in this number 3092810 tenths and 30928100 hundredths in this number.

Year 6

Understanding numbers beyond one million including decimals

Continue developing place value through the use of manipulatives.

- Place value arrow cards
- Place value counters (including decimal counters)
- Dienes blocks
- Place value charts

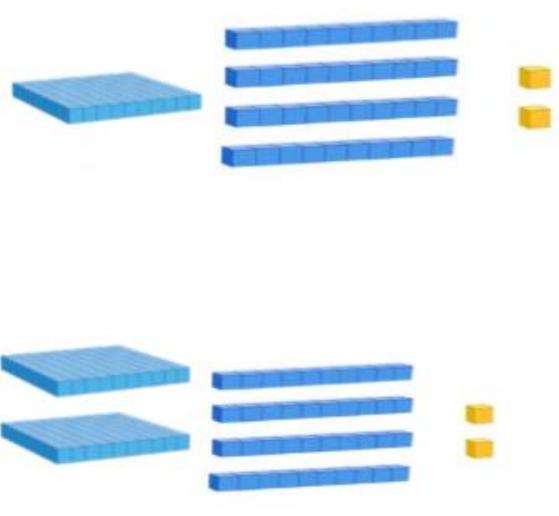
MILLIONS			THOUSANDS			ONES		
hundred millions	ten millions	millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones
7	4	5	3	0	9	2	8	1

They need to understand that there are no ten thousands in this number. The value of the digit 9 is nine thousand but there are 745309 thousands in this number. They need to be able to recognise the value of the digit and the number and know that these are different. They also need to know how many tenths, hundredths and thousandths there are in this number 7453092810 tenths and 74530928100 hundredths and 745309281000 thousandths in this number.

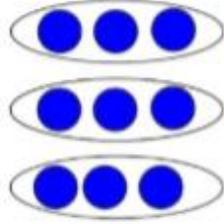
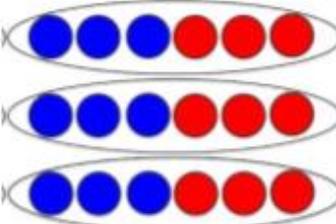
Y3 Addition & Subtraction

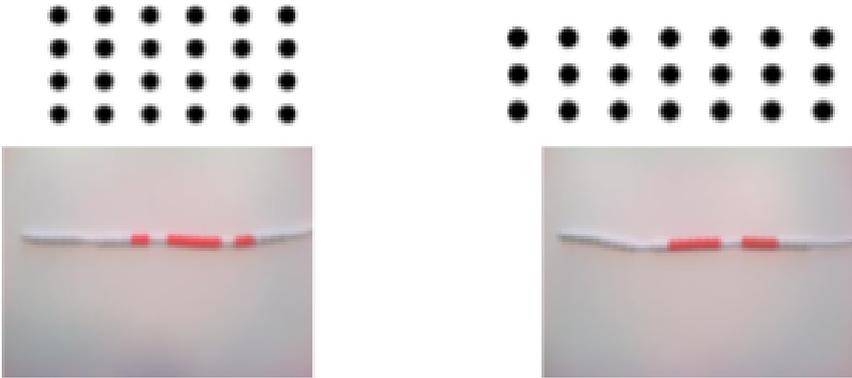
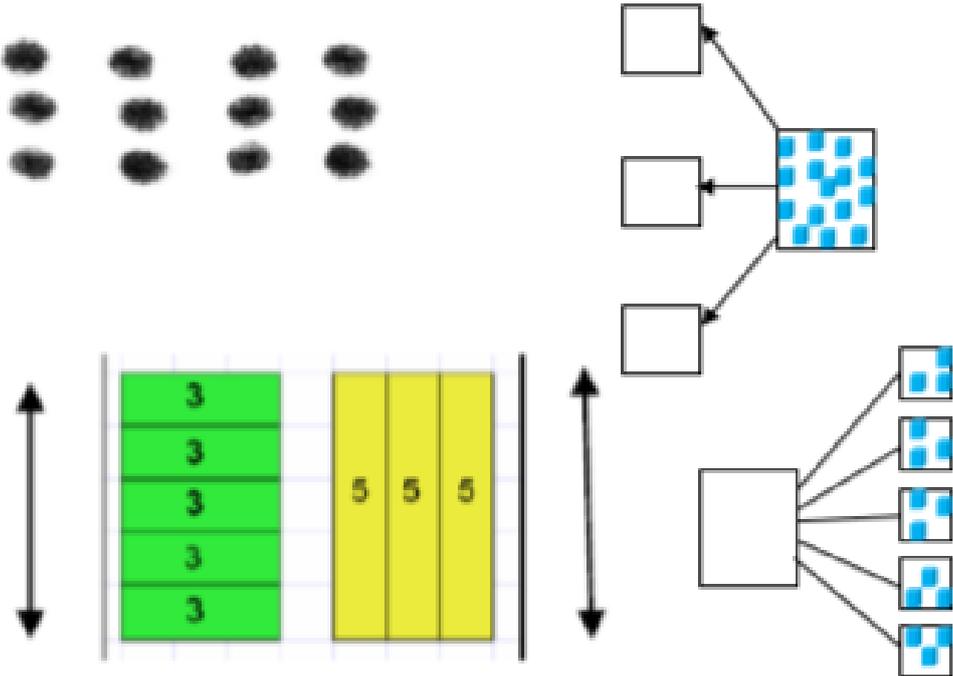
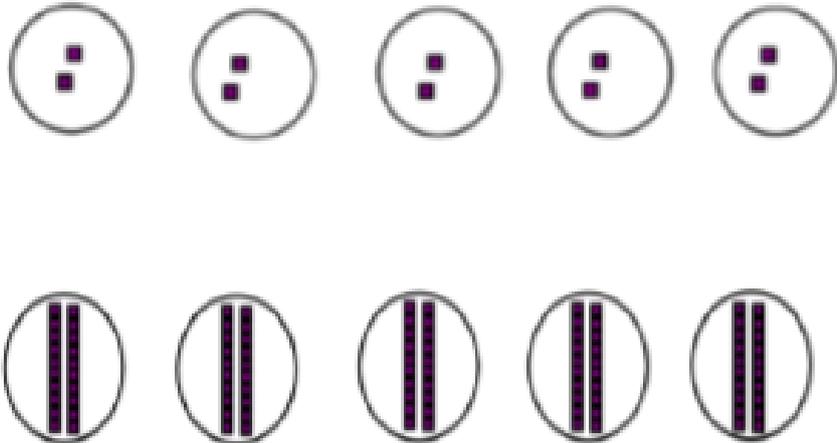
Strategy & guidance	CPA														
<p>Add and subtract numbers mentally, including:</p> <ul style="list-style-type: none"> • a three-digit number and ones; • a three-digit number and tens; • a three-digit number and hundreds <p><i>Pupils learn that this is an appropriate strategy when they are able to use known and derived number facts or other mental strategies to complete mental calculations with accuracy.</i></p> <p><i>To begin with, some pupils will prefer to use this strategy only when there is no need to regroup, using number facts within 10 and derivations. More confident pupils might choose from a range of mental strategies that avoid written algorithms, including (but not exhaustively):</i></p> <ul style="list-style-type: none"> • <i>known number facts within 20,</i> • <i>derived number facts,</i> • <i>'Make ten',</i> • <i>round and adjust</i> <p><i>See Year 2 guidance for exemplification of these – the use of concrete manipulatives other than Dienes blocks is important in reinforcing the use of these strategies.</i></p> <p><i>It is important that pupils are given plenty of (scaffolded) practice at choosing their own strategies to complete calculations efficiently and accurately. Explicit links need to be made between familiar number facts and the calculations that they can be useful for and pupils need to be encouraged to aim for efficiency.</i></p>	<p>It is important to model the mental strategy using concrete manipulatives in the first instance and pupils should be able to exemplify their own strategies using manipulatives if required, with numbers appropriate to the unit they are working on (3-digit numbers in Units 1 & 4; 4-digit numbers in Unit 13). However, pupils should be encouraged to use known facts to derive answers, rather than relying on counting manipulatives or images.</p> <p><u>No regrouping</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">$345 + 30$</td> <td style="width: 50%;">$274 - 50$</td> </tr> <tr> <td>$1128 + 300$</td> <td>$1312 - 300$</td> </tr> <tr> <td>$326 + 342$</td> <td>$856 - 724$</td> </tr> </table> <div style="display: flex; align-items: center; margin-top: 10px;">  <div style="margin-left: 10px;"> <p style="color: red;">I know $4 + 3 = 7$, so 4 tens plus 3 tens is equal to 7 tens. $345 + 30 = 375$.</p> </div> </div> <p><u>With some regrouping</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">$416 + 25$</td> <td style="width: 50%;">$232 - 5$</td> </tr> <tr> <td>$383 + 130$</td> <td>$455 - 216$</td> </tr> <tr> <td>$611 + 194$</td> <td>$130 - 40$</td> </tr> <tr> <td>$1482 + 900$</td> <td>$2382 - 500$</td> </tr> </table>	$345 + 30$	$274 - 50$	$1128 + 300$	$1312 - 300$	$326 + 342$	$856 - 724$	$416 + 25$	$232 - 5$	$383 + 130$	$455 - 216$	$611 + 194$	$130 - 40$	$1482 + 900$	$2382 - 500$
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$1482 + 900$	$2382 - 500$														

Strategy & guidance	CPA						
<p>Written column method for calculations that require regrouping with up to 4-digits</p> <p><i>Dienes blocks should be used alongside the pictorial representations during direct teaching and can be used by pupils both for support and challenge. Place value counters can also be introduced at this stage.</i></p> <p><i>This work revises and reinforces ideas from Key Stage 1, including the focus on place value – see Year 2 exemplification.</i></p> <p><i>Direct teaching of the columnar method should require at least one element of regrouping, so that pupils are clear about when it is most useful to use it. Asking them ‘Can you think of a more efficient method?’ will challenge them to apply their number sense / number facts to use efficient mental methods where possible.</i></p> <p><i>As in Year 2, pupils should be given plenty of practice with calculations that require multiple separate instances of regrouping. In Year 3 they become more familiar with calculations that require ‘regrouping to regroup’. Understanding must be secured through the considered use of manipulatives and images, combined with careful use of language.</i></p> <p><i>Pupils should be challenged as to whether this is the most efficient method, considering whether mental methods (such as counting on, using known number facts, round and adjust etc.) may be likelier to produce an accurate solution.</i></p> <p><i>Pupils requiring support might develop their confidence in the written method using numbers that require no regrouping.</i></p> <p><i>See Unit materials for extra guidance on this strategy.</i></p>	<p>As for the mental strategies, pupils should be exposed to concrete manipulatives modelling the written calculations and should be able to represent their written work pictorially or with concrete manipulatives when required.</p> <p>Again, they should be encouraged to calculate with known and derived facts and should not rely on counting images or manipulatives.</p>  <p>5 + 6 = 11 so I will have 11 ones which I regroup for 1 ten and 1 one.</p> <p><u>Regrouping (including multiple separate instances)</u></p> <table data-bbox="877 1254 1324 1478"> <tbody> <tr> <td>672 + 136</td> <td>734 – 82</td> </tr> <tr> <td>468 + 67</td> <td>831 – 76</td> </tr> <tr> <td>275 + 386</td> <td>435 – 188</td> </tr> </tbody> </table> <p><u>‘Regrouping to regroup’</u></p> <p>204 – 137</p> <p>1035 – 851</p>	672 + 136	734 – 82	468 + 67	831 – 76	275 + 386	435 – 188
672 + 136	734 – 82						
468 + 67	831 – 76						
275 + 386	435 – 188						

Strategy & guidance	CPA
<p>Find 10, 100 more or less than a given number</p> <p><i>As pupils become familiar with numbers up to 1000, place value should be emphasised and comparisons drawn between adding tens, hundreds (and, in the last unit of the Summer term, thousands), including use of concrete manipulatives and appropriate images.</i></p> <p><i>After initial teaching, this should be incorporated into transition activities and practised regularly.</i></p>	<p>$142 + 100 = 242$</p> 

Y3 Multiplication

Strategy & guidance	CPA	
<p>Doubling to derive new multiplication facts</p> <p><i>Pupils continue to make use of the idea that facts from easier times tables can be used to derive facts from related times tables using doubling as a strategy.</i></p> <p><i>This builds on the doubling strategy from Year 2.</i></p>	<p>$3 \times 3 = 9$</p> 	<p>$3 \times 6 = \text{double } 9 = 18$</p> 

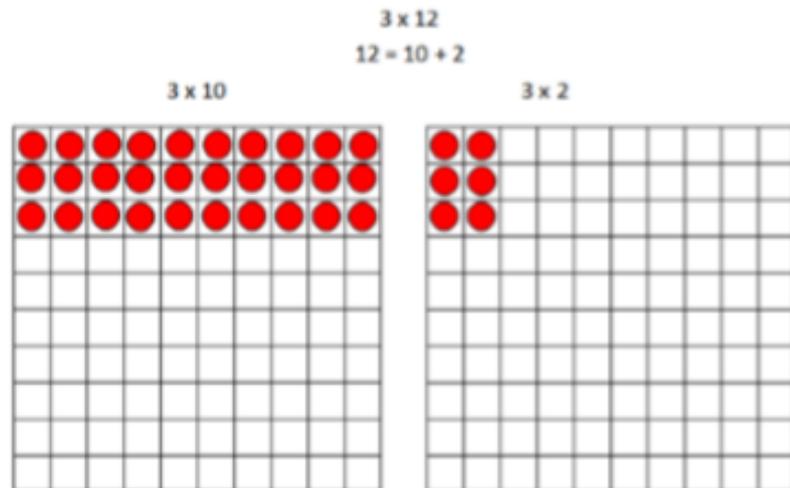
Strategy & guidance	CPA
<p>Skip counting in multiples of 2, 3, 4, 5, 6, 8 and 10</p> <p><i>Rehearsal of previously learnt tables as well as new content for Year 3 should be incorporated into transition activities and practised regularly.</i></p>	
<p>Use of part-part-whole model with arrays and bar models to establish commutativity and inverse relationship between multiplication and division</p> <p><i>In these contexts pupils are able to identify all the equations in a fact family.</i></p>	
<p>Ten times greater</p> <p><i>Pupils's work on this must be firmly based on concrete representations – the language of ten times greater must be well modelled and understood to prevent the numerical misconception of 'adding a zero'.</i></p>	

Strategy & guidance	CPA
<p>Multiplying by 10 and 100</p> <p><i>Building on the ten times greater work, pupils use appropriate Dienes blocks and place value counters to multiply 2, 3, 4, 5 and 10 by 10, 100 and 1000.</i></p>	<p>$5 \times 1 = 5$ </p> <p>$5 \times 10 = 50$ </p> <p>$3 \times 1 = 3$ </p> <p>$3 \times 100 = 300$ </p>
<p>Using known facts for multiplying by multiples of 10 and 100</p> <p><i>Pupils' growing understanding of place value, allows them to make use of known facts to derive multiplications using powers of 10.</i></p> <p><i>It is important to use tables with which they are already familiar (i.e. not 7 or 9 tables in Year 3)</i></p>	<p>$5 = 1 \times 5$ </p> <p>$50 = 10 \times 5$ </p> <p>$500 = 100 \times 5$ </p> <p>$3 \times 2 = 6$ $30 \times 2 = 60$ $300 \times 2 = 600$</p> <p>  </p> <p>  </p>

Strategy & guidance**Multiplication of 2-digit numbers with partitioning (no regrouping)**

Children should always consider whether partitioning is the best strategy – if it is possible to use strategies such as doubling (some may use doubling twice for $\times 4$), they need to choose the most efficient strategy.

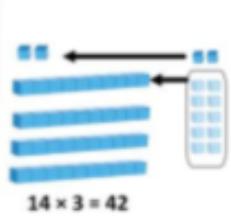
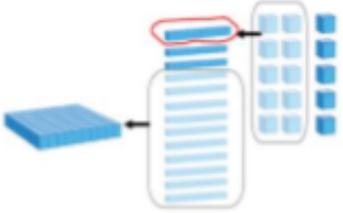
Children may wish to make jottings, including a full grid as exemplified here – but grid method is not a formal method and its only purpose is to record mental calculations. This supports the development of the necessary mental calculating skills but does not hinder the introduction of formal written methods in Year 4. Concrete manipulatives are essential to develop understanding.

CPA

Now add the total number of tens and ones

×	10	2		×	10	2
3				3	30	6

$3 \times 12 = 36$

Strategy & guidance	CPA																					
<p>Multiplication of 2-digit numbers with partitioning (regrouping)</p> <p><i>Using concrete manipulatives and later moving to using images that represent them, supports pupils' early understanding, leading towards formal written methods in Year 4.</i></p> <p><i>Once again, this is a mental strategy, which they may choose to support with informal jottings, including a full grid, as exemplified here.</i></p> <p><i>Pupils must be encouraged to make use of their known multiplication facts and their knowledge of place value to calculate, rather than counting manipulatives.</i></p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 5px;">×</td> <td style="padding: 5px;">10</td> <td style="padding: 5px;">4</td> </tr> <tr> <td style="padding: 5px;">3</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td></td> <td style="text-align: center; font-size: small;">30</td> <td style="text-align: center; font-size: small;">12</td> </tr> </table> </div> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 5px;">×</td> <td style="padding: 5px;">10</td> <td style="padding: 5px;">4</td> </tr> <tr> <td style="padding: 5px;">3</td> <td style="padding: 5px;">30</td> <td style="padding: 5px;">12</td> </tr> </table>  <p style="font-size: small;">$14 \times 3 = 42$</p> </div> </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 5px;">×</td> <td style="padding: 5px;">40</td> <td style="padding: 5px;">5</td> </tr> <tr> <td style="padding: 5px;">3</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </table> </div> <div style="text-align: center;">  </div> </div>	×	10	4	3				30	12	×	10	4	3	30	12	×	40	5	3		
×	10	4																				
3																						
	30	12																				
×	10	4																				
3	30	12																				
×	40	5																				
3																						

Y3 Division

Strategy & Guidance	CPA								
<p>Dividing multiples of 10, 100 and 1000 by 10, 100 and 1000 using scaling down</p> <p><i>Pupils use the strategy of 'scaling down', representing numbers with concrete manipulatives and making the value ten times smaller.</i></p>	<div style="display: flex; align-items: center; justify-content: center;"> <table border="1" style="border-collapse: collapse; text-align: center; margin-right: 20px;"> <thead> <tr> <th style="padding: 5px;">hundreds </th> <th style="padding: 5px;">tens </th> <th style="padding: 5px;">ones </th> </tr> </thead> <tbody> <tr> <td style="height: 150px;"></td> <td style="text-align: left; vertical-align: middle;"> 3 </td> <td style="text-align: right; vertical-align: middle;"> 3 0 3 </td> </tr> </tbody> </table> <div style="margin-left: 20px;"> <p>$3 \times 10 = 30$</p> <p>$30 \div 10 = 3$</p> </div> </div>	hundreds 	tens 	ones 		 3	 3 0 3		
hundreds 	tens 	ones 							
	 3	 3 0 3							
<p>Dividing multiples of 10, 100 and 1000 by 10, 100 and 1000 using grouping</p> <p><i>Pupils divide by 10, 100 and 1000 by making groups of the divisor.</i></p>	<div style="display: flex; align-items: center; justify-content: center; margin-bottom: 10px;"> $500 \div 100 =$ <input style="width: 30px; height: 20px; border: 1px solid black;" type="text"/> </div> <p>My whole is 500 and the value of the equal parts is 100. How many parts are there?</p> <div style="text-align: center;"> <table border="1" style="border-collapse: collapse; margin: 0 auto;"> <thead> <tr> <th style="padding: 5px;">Thousands</th> <th style="padding: 5px;">Hundreds</th> <th style="padding: 5px;">Tens</th> <th style="padding: 5px;">Ones</th> </tr> </thead> <tbody> <tr> <td style="width: 50px; height: 150px;"></td> <td style="text-align: center; vertical-align: middle;"> 5 </td> <td style="text-align: center; vertical-align: middle;"> 0 </td> <td style="text-align: center; vertical-align: middle;"> 0 </td> </tr> </tbody> </table> </div>	Thousands	Hundreds	Tens	Ones		 5	0	0
Thousands	Hundreds	Tens	Ones						
	 5	0	0						