



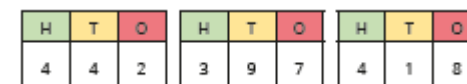
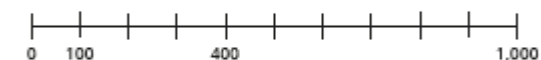
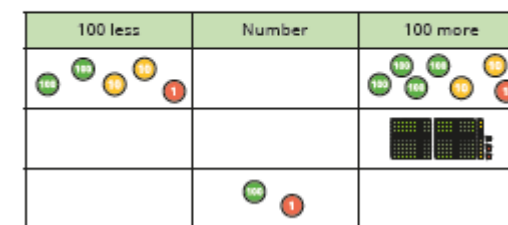
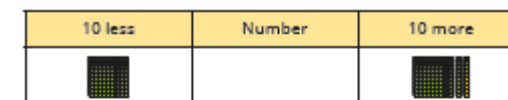
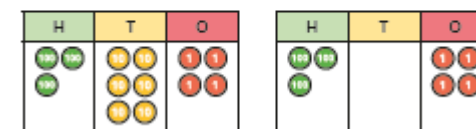
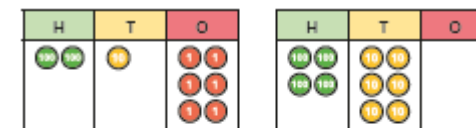
Captain Webb Primary School medium term plan

Year 3

Autumn 1	Strand	Number of weeks	Ready to Progress (Based on National Curriculum objectives)	Key areas of knowledge (small steps in learning)	Resources and methods (Calculation policy)
	Number: Place Value	2	<p>Find 10 or 100 more or less than a given number</p> <p>Knows how to compare and order numbers up to 1000.</p> <p>Knows how to identify, represent and estimate numbers using different representations</p> <p>Knows the place value of each digit in a three digit number (hundreds, tens, ones)</p> <p>Knows relative position of numbers.</p> <p>Knows that 0 is a placeholder in a three digit number.</p>	<p>I know the value of each digit in a three digit number.</p> <p>I know that 10 tens are equal to 100.</p> <p>I know the number of tens in any three digit number.</p> <p>I know that a part whole model can represent partitioned 3-digit numbers.</p> <p>I know that a 3-digit numbers can be partitioned flexibly in a variety of different ways.</p> <p>I know that digits in a 3 digit number can be represented in different ways using different resources.</p> <p>I know the effect that 1, 10 or 100 more or less than any given 3 digit number has on its representation.</p>	 <p>417 = ____ + ____ + ____ + ____</p>

I know to always start with the highest place value digit when comparing numbers.

I know that ascending means 'smallest' to 'greatest' and descending means 'greatest' to 'smallest' when ordering numbers.



Addition & Subtraction

2

Knows bonds to 20 and 100(Y2).

Knows how to use number bonds to 10 to help with bonds to 20 and 100.

Knows efficient mental strategies including partitioning and adjusting to add/subtract numbers mentally,

Knows how to add and subtract numbers mentally, including:

* a three-digit number and ones

* a three-digit number and tens

* a three-digit number and hundred

Knows how to solve problems, including missing number problems.

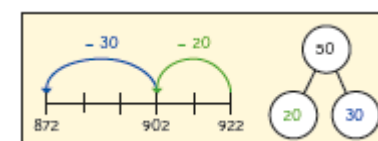
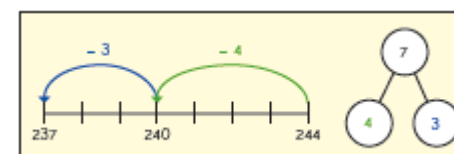
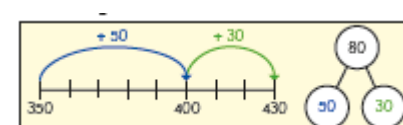
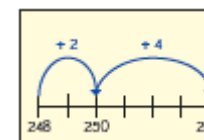
Vocabulary: commutative, inverse, partition, near double, rearrange, **hundreds, boundary, carried, digits.**

I know that I can apply my knowledge of number bonds to 10 to number bonds to 100.

I know that I can apply my knowledge of adding and subtracting 1s to adding and subtracting 10s and 100s.

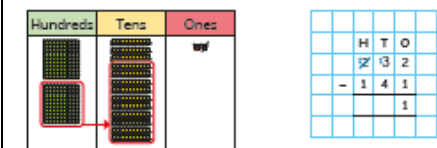
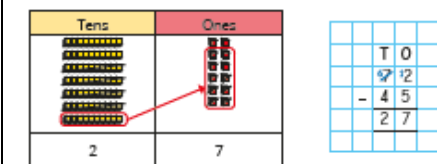
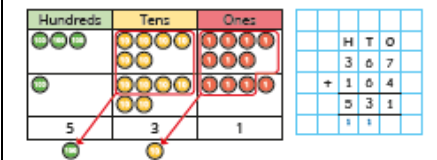
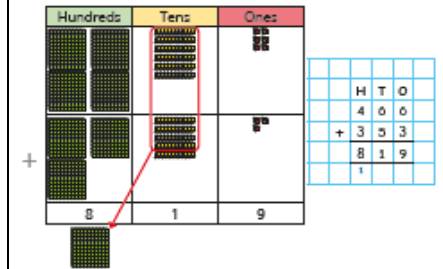
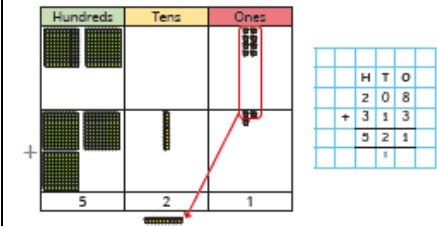
I know how to add and subtract 1s, 10s and 100s from a 3 digit number.

I know how to cross a boundary of 10 when adding or subtracting numbers.



Hundreds	Tens	Ones	
300	40	5	
+	40	3	

Hundreds	Tens	Ones	
700	60	9	
-	10	4	



Multiplication and division

4

Knows the 3, 4- and 8-times tables

Knows how doubling patterns, odds, and evens connect the 2, 4 and 8 times table.

Know the commutative and associative laws for multiplication.

Know the test of divisibility for 2, 5 and 10. 3 -digit sum of 3, 6 or 9.

Vocabulary: tables, multiple, **factor**, **related fact**, **scale**, **product**, **remainder**, **dividend**, **divisor**

I know that in an equal group the amount in each group is the same.

I know that repeated addition and multiplication are both commutative.

I know that there can be more than one possible answer to a question.

I know that sharing is done in equal groups.

I know that multiplying by 3 means counting in equal groups of 3.

I know that dividing by three means sharing into 3 equal groups.

I know that multiplying by 4 means counting in equal groups of 4.

I know that sharing is done in equal groups.

I know the 4 times table

I know that I can represent problems in different ways to solve them.

I know that I can find the 8 times table by doubling the 4 times table.



There are _____ rows of _____ apples.

There are _____ lots of _____ apples.

_____ \times _____ = _____

There are _____ columns of _____ apples.

There are _____ lots of _____ apples.

_____ \times _____ = _____

$$5 \times 3$$

$$10 + 10$$



Share the counters equally into 2 groups.

Complete the sentences.

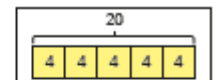
There are _____ counters altogether.

There are _____ groups.

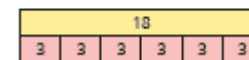
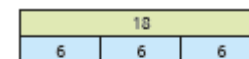
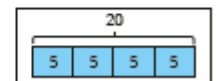
There are _____ counters in each group.

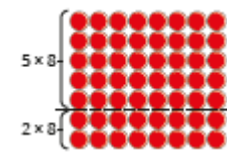
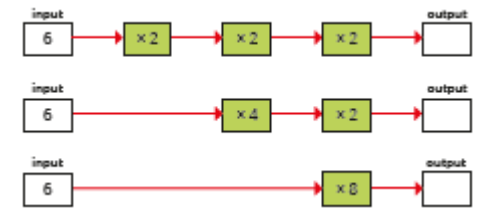
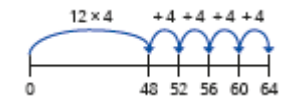
$14 \div$ _____ = _____

20 pencils are shared equally between 5 people.



20 pencils are grouped into packs of 5





Autumn 1	Strand	Number of lessons	Ready to progress (Based on National Curriculum objectives)	Key area of knowledge (Small steps in learning)	Resources and methods					
	Finding all possibilities	3	<p>I know the best way to record the results.</p> <p>I know if some solutions are repeated.</p> <p>I know if I have solved the problem and when there is more than one solution.</p>	<p>I know that I need to work in a systematic way to find all possible answers to a problem.</p>	<p><u>Lesson 1</u></p> <div><div>5</div><div>0</div><div>3</div></div> <p>Using each digit card, which numbers can you make?</p> <p>Use the place value grid to help.</p> <table><tr><th>Hundreds</th><th>Tens</th><th>Ones</th></tr><tr><td></td><td></td><td></td></tr></table> <p>Compare your answers with a partner.</p> <p><u>Lesson 2 – use 3 digit example.</u></p> <p>If you put three beads onto a tens/units abacus you could make the numbers 3, 30, 12 or 21.</p> <div><div><div>Tens</div><div>Units</div></div><div><div>Tens</div><div>Units</div></div><div><div>Tens</div><div>Units</div></div><div><div>Tens</div><div>Units</div></div></div> <p>Explore the numbers you can make using six beads.</p> <div><div>Tens</div><div>Units</div></div> <p><u>Lesson 3</u></p> <p>How many ways can you use column addition to make a number e.g. make 222, make 333</p>	Hundreds	Tens	Ones		
Hundreds	Tens	Ones								