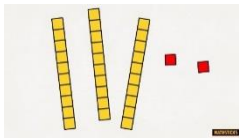
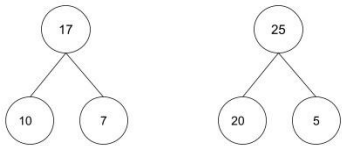
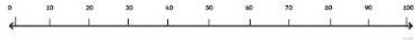
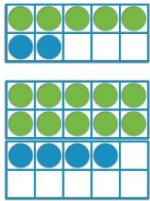





# Captain Webb Primary School medium term plan

## Year 2

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	3	<ul style="list-style-type: none"> <li>Knows the place value of each digit in two-digit numbers (tens, ones)</li> <li>Knows how to read and write numbers to at least 100 in numerals and in words</li> <li>Knows how to identify, represent and estimate numbers using different representations, including the number line</li> <li>Knows how to compare and order numbers from 0 up to 100 using the <math>&lt;</math>, <math>&gt;</math> and <math>=</math> signs</li> <li>Knows how to represent numbers in different ways</li> <li>Knows that numbers can be partitioned</li> </ul>	<ul style="list-style-type: none"> <li>I know that counting in 10s and 1s is a quicker way to count objects up to 100.</li> <li>I know the value of the tens digit and the ones digit</li> <li>I know the place value of each digit in a 2-digit number</li> <li>I know that a number can be partitioned in different ways</li> <li>I know how to represent numbers on a number line</li> <li>I know what the symbols <math>&lt;</math> <math>&gt;</math> <math>=</math> represent</li> </ul>	  <p>0 to 100 Number Line</p>   

## Addition & Subtraction

3

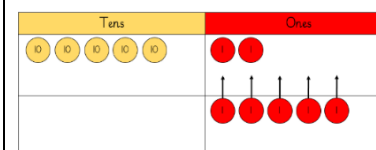
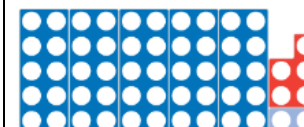
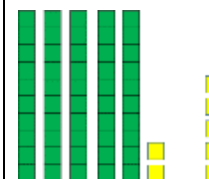
- Knows addition and subtraction facts to 20 fluently
  - Knows how to use related facts to 20 when calculating
  - Knows that addition is commutative.
  - Knows that addition is inverse to subtraction.
  - Know how to use the inverse to check calculations
  - Knows how to add and subtract numbers mentally using number sense, place value, bridging, near doubles and adjustment strategies
  - Knows efficient strategies for adding and subtracting for up to two 2-digit numbers
  - Knows how to add and subtract numbers using concrete objects and pictorial representations
  - Knows how to apply their increasing mental and written methods in context
  - Knows related facts up to 100
  - Knows how to use related facts up to 20 when calculating
  - Knows strategies to solve missing number problems.
- I know that addition is commutative
  - I know the inverse of addition is subtraction
  - I know fact families for + and -
  - I know number facts to 100
  - I know that number bonds can be used to add a 1 digit number to a 2 digit number
  - I know that when adding a multiple of 10, the 10s digit will change and the 1s stay the same
  - I know how to use bonds to 10 to add to the next multiple of 10.
  - I know how to partition numbers when adding a 2 digit and 1 digit number
  - I know how to use a number line when subtracting a 1 digit from a 2 digit number
  - I know how to partition numbers when subtracting 1 digit from a 2 digit number

### KIRF TARGET – BONDS TO 20

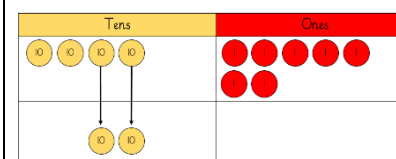
#### Problem Solving – Finding all possibilities

Frogs in a bucket

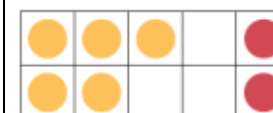
- I know how I will put my numbers in order
- I know what resources to use
- I know if I have some answers the same

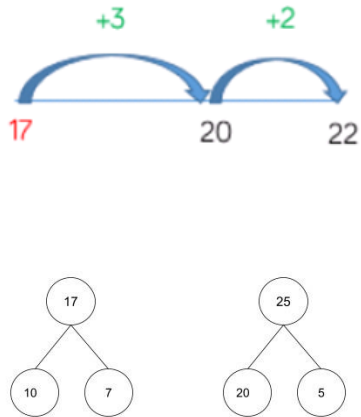
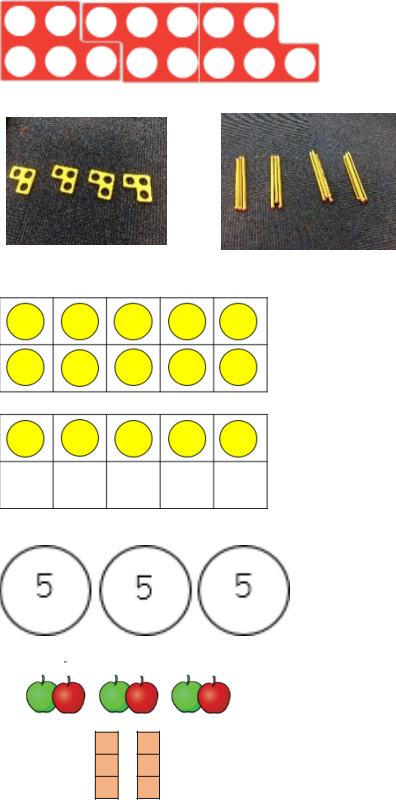


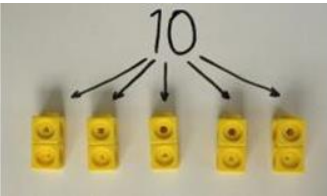
(Addition)







(Subtraction)



					
	<p>Multiplication &amp; Division</p>	2	<ul style="list-style-type: none"> <li>• <b>Knows the operations of multiplication (repeated addition)</b></li> <li>• <b>Knows that multiplication is commutative.</b></li> <li>• <b>Knows that arrays are used to represent multiplication facts.</b></li> <li>• <b>Knows how to write mathematical statement using the multiplication (x) and equals (=) sign</b></li> </ul>	<ul style="list-style-type: none"> <li>• I know that equal groups have the same amount</li> <li>• I know that repeated addition is adding the same amount</li> <li>• I know that multiplication is repeated addition</li> <li>• I know that multiplication can be done in any order (commutative)</li> </ul>	

					
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Autumn 1	Strand	Number of Lessons	Ready to Progress (Based on National Curriculum objectives)	Key areas of knowledge (Small steps in learning)	Resources and methods
Place Value Unit	Finding all Possibilities	2		<p>I know how I will put my numbers in order</p> <p>I know what resources to use</p> <p>I know if I have some answers the same</p>	<p><u>Lesson 1</u></p> <p>Numbers and Beads</p> <p>If you put three beads onto a tens/units abacus you could make the numbers 3, 30, 12 or 21.</p>  <p>Explore the numbers you can make using six beads.</p>  <p>Can you find all the ways of using six beads? How do you know you have found them all?</p> <p><u>Lesson 2</u></p> <p>Find the 2 digit</p> <p>FIND THE 2 DIGITS! SHEET 1 Tiger Salamander has stolen 2 digits from the pack of digit cards.</p>  <p>He tells the other salamanders that he will give them back if they can guess what number he has made with them. He tells them:</p> <ul style="list-style-type: none"> <li>• My number is smaller than 20.</li> <li>• My number is odd.</li> </ul> <p>What 2 digit numbers could he have made? See if you can find all the possibilities.</p>

<p>Addition and Subtraction Unit</p>	<p>Finding all Possibilities</p>	<p>2</p>		<p>I know how I will put my numbers in order</p> <p>I know what resources to use</p> <p>I know if I have some answers the same</p>	<p><u>Lesson 1</u></p> <p>Frogs in a bucket 1</p> <p><u>Lesson 2</u></p> <p>Frogs in a bucket 2</p> <div data-bbox="1823 408 2040 616"><p><small>FROGS IN A BUCKET 2</small></p><p><small>Captain Salamander has been playing one of his favourite games called Frog in a bucket with some of his friends.</small></p><p><small>In the game, you have to try to throw a bean bag frog into a bucket.</small></p><p><small>Each player gets 3 frogs to throw. You score either 10 points, 5 points, 3 points for the bucket they land in.</small></p><p><small>Captain Salamander manages to get all his 3 frogs into buckets.</small></p><p><small>How many points could he have scored?</small></p><p><small>There are 10 possibilities - how many can you find?</small></p><p><small>Example: He could have scored 11 points if his bean bags scored 5 points, 3 points and 3 points.</small></p></div>
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