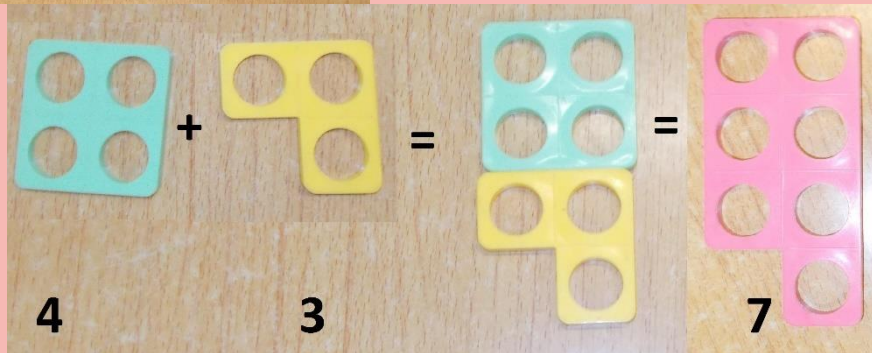
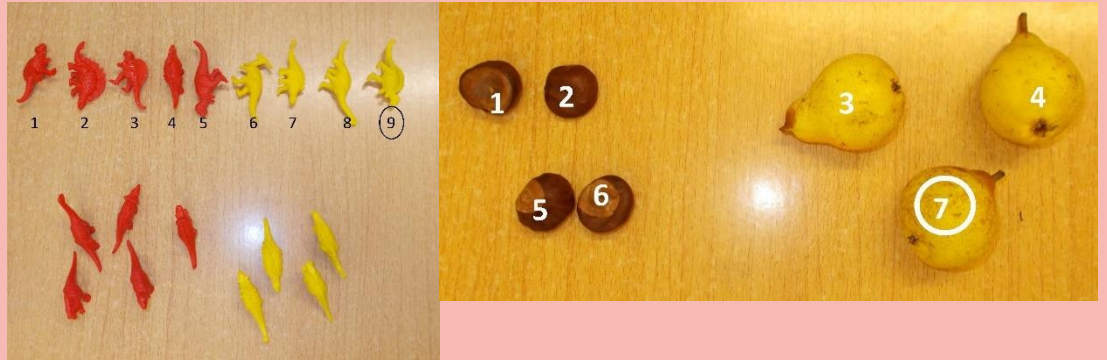


Addition

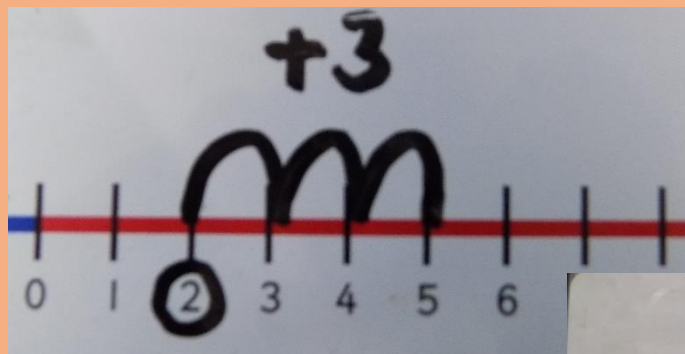
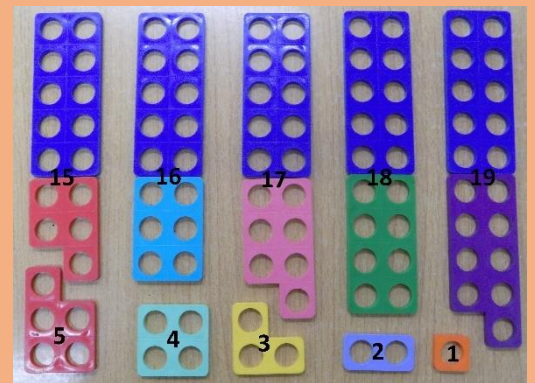
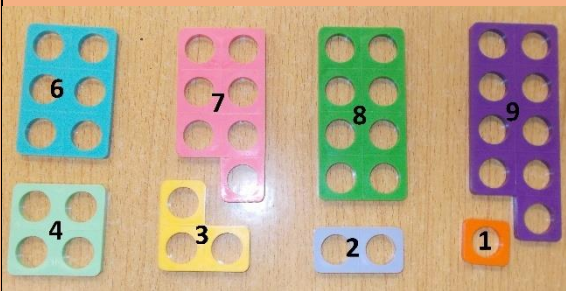
Ruby Class

- Children count reliably with numbers from one to 20, place them in order and say which number is one more or one less than a given number.
- Using quantities and objects, they add two single-digit numbers and count on to find the answer.
- They solve problems, including doubling.

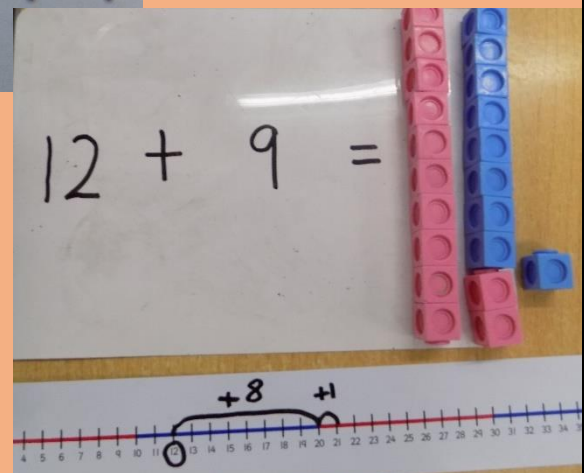


Amber Class

- represent and use number bonds within 20
- read, write and interpret mathematical statements involving addition (+) and equals (=) signs
- add one-digit and two-digit numbers to 20 including zero
- solve one-step problems that involve addition using objects and diagrams, and missing number problems
- add numbers using concrete objects, diagrams, and mentally, including:
 - a two-digit number and ones
 - a two-digit number and tens
 - two two-digit numbers
 - adding three one-digit numbers



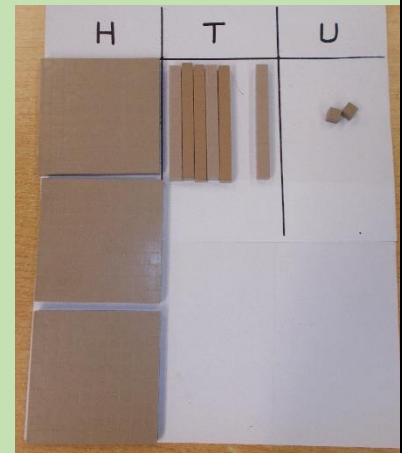
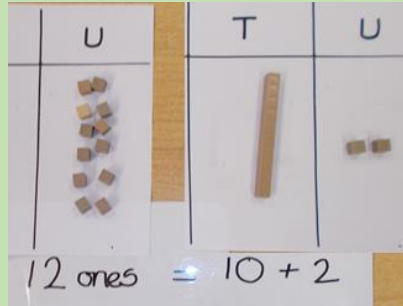
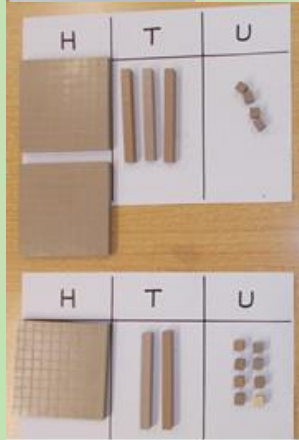
	$6 + 4 = 10$ $4 + 6 = 10$ $10 - 4 = 6$ $10 - 6 = 4$				
Tens Frame	<table border="1"> <tr> <td colspan="2" style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">4</td> </tr> </table> $6 + 4 = 10$ $4 + 6 = 10$ $10 - 4 = 6$ $10 - 6 = 4$	10		6	4
10					
6	4				
	Bar Model				



Addition

- add numbers mentally, including:
 - a three-digit number and ones
 - a three-digit number and tens
 - a three-digit number and hundreds
- add numbers with up to three digits, using formal written methods of columnar addition
- estimate the answer to a calculation and use inverse operations to check answers
- solve problems, including missing number problems, using number facts and place value

$$\begin{array}{r} \text{H T U} \\ 234 \\ + 128 \\ \hline \end{array}$$



$$\begin{array}{r} \text{H T U} \\ 234 \\ + 128 \\ \hline \end{array}$$

$$\begin{array}{r} \text{H T U} \\ 200 \\ + 100 \\ \hline 300 \end{array} \quad \begin{array}{r} \text{T U} \\ 30 \\ + 20 \\ \hline 50 \end{array} \quad \begin{array}{r} \text{T U} \\ 4 \\ + 8 \\ \hline 12 \end{array}$$

$$\begin{array}{r} \text{H T U} \\ 300 \\ + 50 \\ 10 \\ 2 \\ \hline 362 \end{array}$$

Emerald Class

Bar Model to support understanding of problem solving:



A man sold 230 balloons at a carnival in the morning. He sold another 86 balloons in the evening. How many balloons did he sell in all?



This is not a form of getting the correct answer but helping to guide children to the correct operation.

Addition

Sapphire Class

- Solve addition calculations involving decimals (including money and measures) positioning digits in the correct place-value columns.
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

$3.08 + 6.23 =$

Tens	Units (ones)	tenths 1/10	hundredths 1/100
	3	0	8
+	6	2	3
<hr/>			
	9	3	1
<hr/>			

Jack went on holiday. His flight cost £70.50, the hotel £1295 and spending money £427.89. How much did Jack spend on his holiday?

?		
£70.50	£427.89	£1295