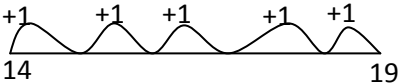
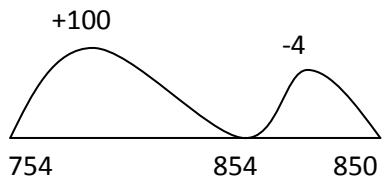
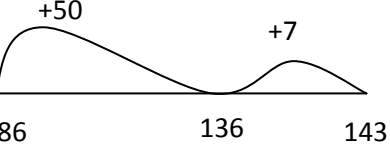
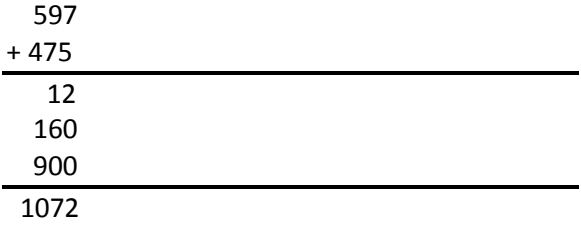


Calculation Policy – Addition

Year	Stage Name	Examples	Recording Method
F	Practical Examples	What is one more than 1?	No formal method, could be recorded via a photograph. Mainly teacher notes.
1	Pictorial Representations	There are 3 people on a bus. 1 more gets on. How many on the bus now? Count 4 cakes. Count 3 cakes. How many altogether?	Mostly pictorial representations: $XX + XXX = XXXXX$ Concrete apparatus models the addition of 3 objects and 2 objects by combining sets. Written digits to represent objects.
1 and 2	Counting up on a number line	What is the sum of 19 and 4? Add 60 to 30?	Number lines: (in small jumps) $14 + 5 =$ 
2	Rounding and adjusting on a number line.	What is the sum of 26 and 39? Increase 48 by 22. Add 69 to 74.	$754 + 96$ (rounding and adjusting) 
2 and 3	Partitioning to add on a number line.	What is the sum of 26 and 39? Increase 48 by 22. Add 69 to 74.	Number lines: $86 + 57$ 
3	Partitioning to add	What is $72 + 14 = ?$	$70 + 10 = 80$ $2 + 4 = 6$ $80 + 6 = 86$
3 and 4	Expanded Vertical	Increase 190 by 37	Column Method $597 + 475 =$ 
3, 4, 5 and 6	Compact Vertical with "carrying"	What is the total of 229 and 39?	$7648 + 1486 =$ 