

Year 3	Partitioning the	Special cases	Partitioning	Addition of three	Introduction of formal written
	numbers for TO + TO		Adding ones and tens	digit + 2 digit	method of columnar addition
Add and subtract	across 100	66 + 79	to a 3digit number	numbers and 3-digit	
numbers mentally,				+ 3 digit	5 7 6
including:	55 + 78	80 +66 – 1 = 145	356 + 8	_	<u>+ 69</u>
a three-digit number and ones	70 + 50 = 120		356 + 4 + 4 = 364	268	<u>6 4 5</u>
 a three-digit number and tens 	8 + 5 = 13	Using doubles		<u>+ 79</u>	1 1
a three-digit	120 + 13 = 133			200	
number and hundreds		76 + 78	356 + 70	130	
Two 2-digit numbers across	55 + 78	Double 70 + double 6	350 + 70 + 6 = 426	+ 17	
100 (non-	78 + 50 = 128	+ 2		3 4 7	
statutory guidance)	128 + 2 + 3 = 133	Double 70 + double 8	356 + 600		
,		-2	300 + 600 + 56 = 956	0.00	
Add and subtract	Decell of facts to 20	Decell of facts to 20		268	
numbers with up to three digits,	Recall of facts to 20 and by adding	Recall of facts to 20 and by adding		+ <u>1 7 9</u> 1 7	
using formal written methods	multiples of 10 will	multiples of 10 will		130	
of columnar	support this thinking	support this thinking		+ 300	
addition and subtraction	Support this trinking	Support this trinking		447	
				1 1 7	
Year 4	Using mental	Addition of four digit	Addition of numbers		
	strategy where	+ four digit numbers	with decimal places		
Add and subtract	appropriate				
numbers with up to 4 digits using		7 2 6 8			
the formal written methods of	1460 + 499	5179	1.5 + 1.5		
columnar		12447	Double 1 and double		
addition and subtraction	1460 + 500 – 1 = 1959	1 1 1	0.5		
where	2560 + 2570				
appropriate	2560 + 3570		1.6 + 1.7		
	6000 + 130 = 6130		1.6 + 1.7 1.7 + 0.3 + 1.3 = 3.3		
			1.7 10.3 + 1.3 - 3.3		

Year 5 Add and subtract numbers mentally with increasingly large numbers e.g. 5-digit — 4-digit multiple of 10 Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	Using mental calculation by counting on 45678 + 3500 = 49178 45678 + 3000 = 48678 42678 +500 = 49178 5.78 + 2.45 = 8.23 5.78 + 2 = 7.78 5.73 + 0.4 = 8.18 5.33 + 0.05 = 8.23	5 8 7 6 5 2 ₁ 9 ₁ 6 ₁ 4 ₁ 8 + 8 8 4 1 3	Addition of numbers to 2 decimal places 4. 4 5 + 3. 5 5 8. 0 0 1 1 5 7. 8 9 4 6. 6 7 1 0 4. 5 6	Mixed decimals 57 .89 + 46.6 + 23.785 2 3. 7 8 5 5 7. 8 9 + 4 6. 6 1 2 8. 2 7 5	
Year 6 Perform mental calculations, including with mixed operations and large numbers	Partitioning 4.578 + 0.008 = 4.586 6.568 + 0.079 = 6.647 6.568 + 0.07 = 6.638 6.638 + 0.009 = 6.647	Column addition with 5 or 6 digits 5 8 7 6 5 21 91 61418 + 8 8 4 1 3	Using all 4 operations 6 + 7 × 8 = 62 because multiplication first then addition when there are no brackets 2780 - 910 + 1220 can be reordered to 2780 + 1220 - 910= 3090 as long as the symbol moves with the number		