YEAR 4	Add	ition	
Vocabulary: thousands, hundreds, tens, ones, estimate, partition, recombine, increase, near multiple of 10 and 100, inverse, rounding, column addition, exchange, addend + addend = sum/total (See previous year groups)			
Concrete	Pictorial	Abstract	
Add whole numbers with up to 4 digits. No exchanging: 2365 + 1424 = 3789 1000 100 10 15 1000 100 10 11 11 + 100 100 10 10 11 11	Add whole numbers with up to 4 digits. No exchanging: 2365 + 1424 = 3789 + 1000 + 400 + 20 + 4 2365 3365 3765 3785 3789	Written Add whole numbers with up to 4 digits. No exchanging: 2365 + <u>1424</u> 3789	
Exchanging: 6 432 + 1 737 = 8169	Exchanging:	E×changing:	
Start without exchanging leading onto exchanging at different points (ones to tens; tens to hundreds etc).	$\begin{array}{c c} 6432 + 1737 = 8169 \\ \hline \\ \hline \\ 6,432 \\ \hline \\ 1,737 \\ \hline \\ +7 \\ +30 \\ \hline \\ +7 \\ +30 \\ \hline \\ +700 \\ +1000 \\ \hline \\ 6432 \\ 6439 \\ 6469 \\ 7169 \\ 8169 \\ (Could split + 700 into + 600 then + 100 to cross boundaries) \end{array}$	Expanded Compact Th H T O 6 432 + 1 737 6 432 + 1 737 8 169 60 1 1 100 7 000 8 169 1	

Add decimals up to 2 decimal places (as	Add decimals up to 2 decimal places (as	Add decimals up to 2 decimal places
money or measures):	money or measures):	(as money or measures):
£15.54 + £26.25 = £41.79	£15.54 + £26.25 = £41.79	
T O th hth Image: Second state sta	+ 4p +50p +£5 +£10 £26.25 £26.29 £26.79 £31.79 £41.79	Expanded Compact £26.25 £26.25 + £15.54 + £15.54 0.09 £41.79 0.70 1 11.00 30.00 £41.79
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<u>Counting on:</u>	<u>Adjusting:</u>	
2534 + 2150	Demo on a number line fir	st.
2534 + 2000 + 100 + 50 = 4684	2345 + 499 (add 500 and	l subtract 1)
	2345 + 2999 (add 3000)	and subtract 1)
Using known facts and place value:		
5060 + 47	<u>Partitioning:</u>	
60 + 47= 107 so 5060 + 47 = 5107	2314 + 1242	
0.6 + 0.2	2000 + 1000 = 3000	
If 6 + 2 = 8 then 0.6 + 0.2 = 0.8	300 + 200 = 500	
	10 + 40 = 50	
Redistribution:	4 + 2 = 6	
2504 + 3234 redistribute to 2500 + 3238.	3000 + 500 + 50 + 6 =	3556