Y4 Mathematics		Additior	and Subtraction		
Key Terms and questions				Vocabular	
Addition add total plus sum more altogether increase double near double Subtraction difference subtract less minus take away How many more to make? How much more? How many more? How many fewer?				addition +	Bringing two or more numbers (or things) together to make a new total/ sum.
	addend + addend= sum	minuend- si	ubtrahend = difference	subtraction -	Taking one number away from another.
Formal Methods				mental/ mentally	Calculating in your head.
Column addition and s Add 4-digit n No exchange		Subtract	4-digit numbers	column method	Addition and subtraction by writing one number below the other and then adding/ subtracting one column at a time
5162 S	tarting with the ones, add ach column in turn.	5789 - 3421 2368	Starting with the ones, subtract each column in turn.	estimate	To find a value that is close enough to the right answer, usually with some thought or calculation involved.
51 6 2 col	urting with the ones, add each umn in turn. When adding ens + 9 tens = 15 tens	One exchar 5 74 9 - 34 7 1	nge Starting with the ones, subtract each column in turn. When subtracting 4 tens -7 tens, exchange 1 hundred to	inverse	Inverse means the opposite in effect. The reverse of. The Inverse of Adding is Subtracting
1	hundred + 5 tens ace 1 hundred under the hundreds	22 7 8	make: 14 tens – 7 tens = 7 tens	commutative	Numbers can be added in any order.
	swer and 5 tens in the answer.			addend	A number that is added to a number.
Multiple excha	nges arting with the ones, add each	Multiple ex 6 ¹³¹ 5742	Starting with the ones, subtract	minuend	A number from which a another is subtracted.
+3497 co 9361 hu	lumn in turn. Exchange tens, indreds and/ or thousands as	- 3476	each column in turn. Exchange tens, hundreds and/ or thousands	subtrahend	A number subtracted from another.
111 re	quired.	2266	as required.		

Y4 Mathematics	Addition an	d Subtraction		\bigcirc
Adding and subtracting with decimals				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	31.80 + 00.45 <u>32.25</u>	76.3 <u>- 34.1</u> 42.2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1p ¹ 1 2 9
Using rounding to estimate		Use the inverse to check your answer	Commutative and Associative	
1635 + 386 = 2021 Round to the nearest ten 1640 + 390 = 2030 Round to the nearest hundred 1600 + 400 = 2000 Both give a reasonable estimate, but rounding the nearest ten is more accurate.	9362 – 5729 = 3622 Round to the nearest hundred 9400 – 5700 = 3700 Round to the nearest thousand 9000 – 6000 = 3000 Rounding to the nearest hundred is much more accurate in this case.	347627327443476 - 744 = 2732 can be checked using2732 + 744 = 3476This part whole shows the inversecalculations using these three numbers. 4237 $1549 + 2688 = 4237$ $2688 + 1549 = 4237$ $4237 - 1549 = 2688$ $4237 - 2688 = 1549$	Commutative 342 + 187 is equal 187 + 342 Addition can be done in any order 46 + 39 + 14 = 46 + 14 +	
Addition		Subtraction		

$$8 + 9 = 17$$

addend + addend = sum

17 - 9 = 8

minuend – subtrahend = difference