

Starting at the bigger number and counting on		
-	12 + 5 = 17	5 + 12 = 17
Start with the larger number on the bead string and then count on to the smaller number 1 by 1 to find the answer.	Start at the larger number on the number line and count on in ones or in one jump to find the answer.	Place the larger number in your head and count on the smaller number to find your answer.



4 + 7 + 6= 17 Put 4 and 6 together to make 10. Add on 7.



Following on from making 10, make 10 with 2 of the digits (if possible) then add on the third digit.

TO + O using base 10. Continue to develop understanding of partitioning and place value. 41 + 8



Column method – no regrouping 24 + 15=

Add together the ones first then add the tens. Use the Base 10 blocks first before moving onto place value counters.





Column method –regrouping TO + TO using base 10. Continue to develop understanding of partitioning and place value. 36 + 25 105 15 6 1 6 1	Chidlren to represent the base 10 in a place value chart.	Looking for ways to make 10. $36 + 25 = 30 + 20 = 50$ $5 + 5 = 10$ $50 + 10 + 1 = 61$ $1  5 \qquad 36$ Formal method: $\frac{+25}{61}$ $\frac{61}{1}$ Start by partitioning the numbers before moving on to clearly show the exchange below the addition. $20 + 5$ $\frac{40 + 8}{60 + 13} = 73$
Use of place value counters to add HTO + TO, HTO +	Children to represent the counters in a place value chart,	243 $+368$ $611$ $1$ As the children move on, introduce decimals
HTO etc. When there are 10 ones in the 1s column- we exchange for 1 ten, when there are 10 tens in the 10s column- we exchange for 1 hundred. 100s 10s 1s $6 1 1$	circling when they make an exchange.	with the same number of decimal places and different. Money can be used here. 72.8 $\frac{+54.6}{11}$ $\frac{127.4}{11}$ $\frac{\frac{4}{5} \frac{k}{2} 2}{\frac{5}{5} \frac{3}{5} \frac{5}{5} $



## Conceptual variation; different ways to ask children to solve 21 + 34

