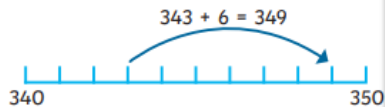


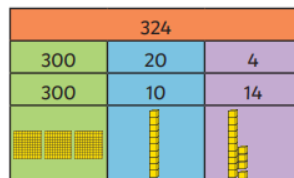
3 digits and 1 digit

Not crossing 10s

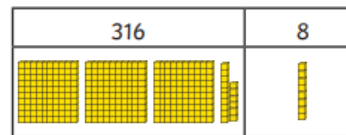
$$268 - 4 = 264$$



Crossing 10s (Exchanging)



$$316 + 8 = 324$$



$$324 - 8 = 316$$

3 digits and 2 digits

Add and subtract tens



$$451 + 3 \text{ tens} = 481 \quad (5 + 3 = 8)$$

$$451 - 4 \text{ tens} = 411 \quad (5 - 4 = 1)$$

Crossing 10 and 100

$$\begin{array}{r} 368 \\ +73 \\ \hline 441 \end{array}$$

$$\begin{array}{r} 31 \\ 441 \\ -73 \\ \hline 368 \end{array}$$

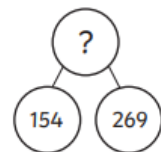
3 digit numbers

Not crossing

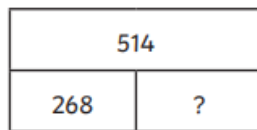
$$679 - 351 = 328$$



Crossing 10s (Exchanging)



$$\begin{array}{r} 269 \\ +154 \\ \hline 423 \\ 11 \end{array}$$

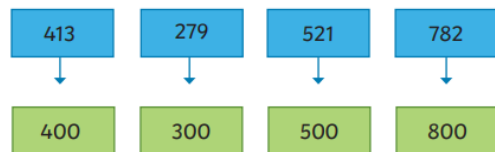


$$\begin{array}{r} 4101 \\ 514 \\ \hline 268 \\ 246 \end{array}$$

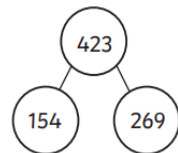
Estimate and Check

Estimate $167 - 89$
Use near numbers $170 - 90 = 80$

Near numbers:



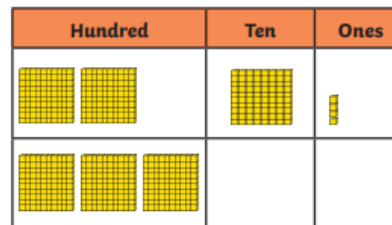
This part whole shows the inverse calculations using these three numbers.



$154 + 269 = 423$	$269 + 154 = 423$
$423 - 154 = 269$	$423 - 269 = 154$

Add and Subtract 100s

$$284 + 300 = 584$$



Vocabulary

Word	definition
add + total plus sum more altogether	Bringing two or more numbers (or things) together to make a new total
subtract - difference less minus take away	Taking one number away from another.
column addition	Addition by writing one number below the other and then adding one column at a time definition
column subtraction	Subtraction by writing one number below the other and then subtracting one column at a time
exchange	Change a number for another of equal value.
estimate	To find a value that is close enough to the right answer, usually with some thought or calculation involved.
inverse operation	Inverse means the opposite in effect. The reverse of. The Inverse of Adding is Subtracting