

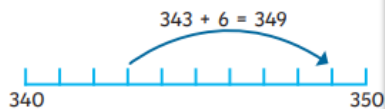
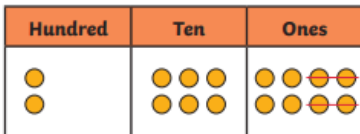
3 digits and 1 digit

addend + addend = sum

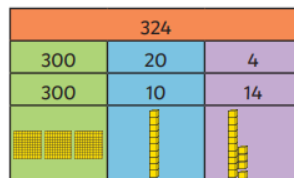
minuend - subtrahend = difference

Not crossing 10s

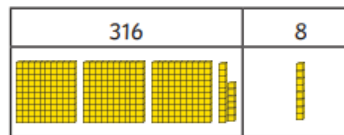
$$268 - 4 = 264$$



Crossing 10s (Exchanging)



$$316 + 8 = 324$$



$$324 - 8 = 316$$

3 digits and 2 digits

3 digit numbers

Add and subtract tens



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

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

Crossing 10s (Exchanging)

$$258 + 80 = 338$$

- Column method
- Count in 10s mentally
- Add 100, subtract 20

Crossing 10 and 100

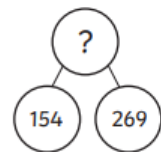
$$\begin{array}{r} 368 \\ +73 \\ \hline 1 \end{array} \quad \begin{array}{r} 368 \\ +73 \\ \hline 41 \\ 1 \end{array} \quad \begin{array}{r} 368 \\ +73 \\ \hline 441 \\ 1 \end{array}$$

$$\begin{array}{r} 31 \\ 441 \\ -73 \\ \hline 8 \end{array} \quad \begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 68 \\ 1 \end{array} \quad \begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 368 \\ 1 \end{array}$$

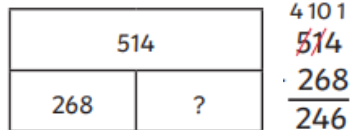
Not crossing

$$679 - 351 = 328$$

Crossing 10s (Exchanging)



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



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

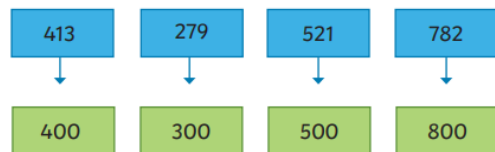
Vocabulary

Word	definition
add + total plus sum 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 method	Addition or subtraction by writing one number below the other and then adding or 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.
addend	A number that is added to a number.
minuend	A number from which a another is subtracted.
subtrahend	A number subtracted from another.

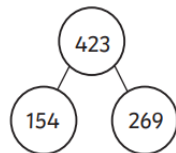
Estimate and Check

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

$$284 + 300 = 584$$

