

## Key Vocabulary

## Addition and Subtraction Methods

add

total

plus

sum

more

altogether

difference

subtract

less

minus

take away

column addition

column subtraction  
exchange

estimate

inverse operation

solve problems

number facts

place value

### 3-digit and 1-digit numbers

Not crossing 10s

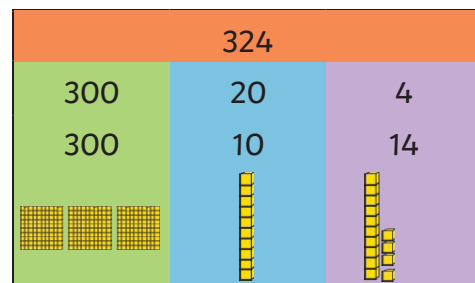
$$268 - 4 = 264$$



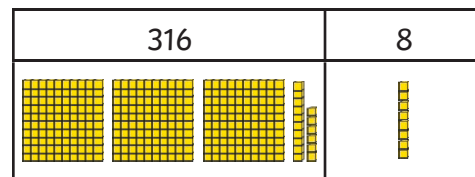
$$343 + 6 = 349$$



Crossing 10s (Exchanging)



$$316 + 8 = 324$$



$$324 - 8 = 316$$

### 3-digit and 2-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

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

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

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

$$\begin{array}{r} 31 \\ 441 \\ -73 \\ \hline 8 \end{array}$$

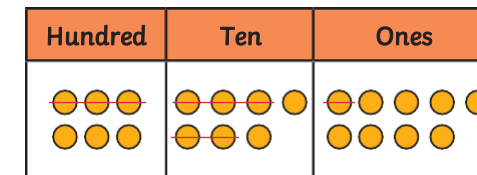
$$\begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 368 \end{array}$$

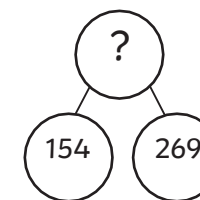
### 3-digit numbers

Not crossing

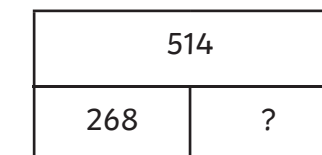
$$679 - 351 = 328$$



Crossing 10s (Exchanging)



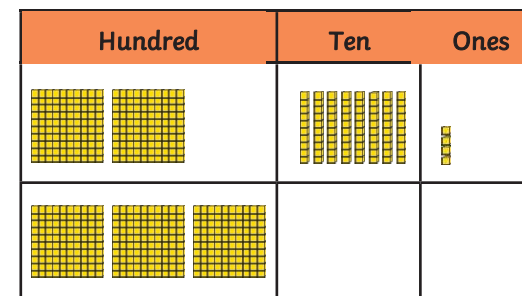
$$\begin{array}{r} 269 \\ +154 \\ \hline 423 \\ 11 \end{array}$$



$$\begin{array}{r} 4101 \\ \cancel{5}14 \\ -268 \\ \hline 246 \end{array}$$

### Add and Subtract 100s

$$284 + 300 = 584$$

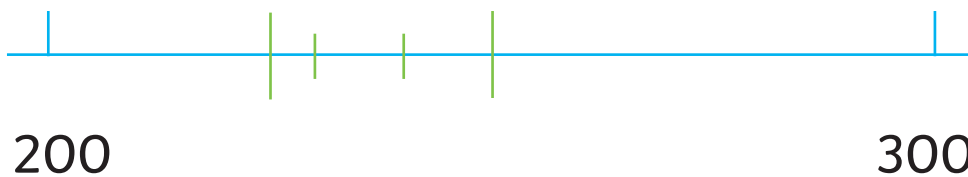


# Addition and Subtraction – Year 3

# Knowledge Organiser

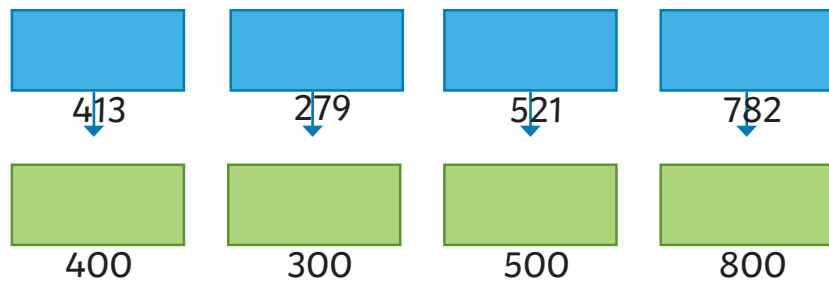
## Estimate

Divide number lines into smaller sections to help estimate marked numbers. Estimate by dividing the hundred into 250 and 225. Estimate 10s (230, 240) between 225 and 250.

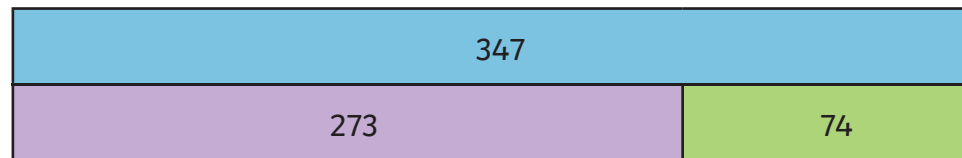


Estimate  $167 - 89$   
Use near numbers  $170 - 90 = 80$

Near numbers:

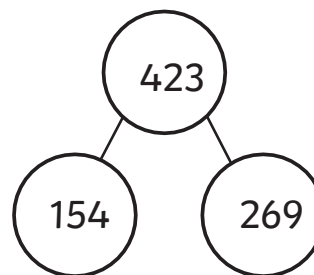


## Check Answers



$347 - 74 = 273$  can be checked using  
 $273 + 74 = 347$

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



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