

Year Three — Addition and Subtraction



Key Vocabulary

Add	To add two or more groups together to find the total
Subtract	To take away an amount from a whole
Equals	How many altogether
Column addition	Addition by writing one number below the other and then adding one column at a time. Formal written method for addition
Column Subtraction	Formal written method for subtraction. Writing one number below the other and then subtracting on column at a time.
Partition	Breaking up into parts; usually through each place value.
Inverse Operation	An operation that undoes what was done by the previous operation. The inverse of addition is subtraction.

Fact Families to Check Answers

50	
30	20

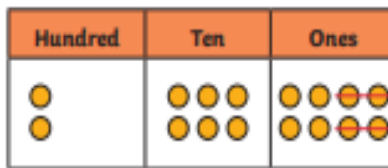
$30 + 20 = 50$	$50 = 30 + 20$
$20 + 30 = 50$	$50 = 20 + 30$
$50 - 20 = 30$	$30 = 50 - 20$
$50 - 30 = 20$	$20 = 50 - 30$

Addition and Subtraction Methods

3 digit and 1 digit numbers

Not crossing 10s

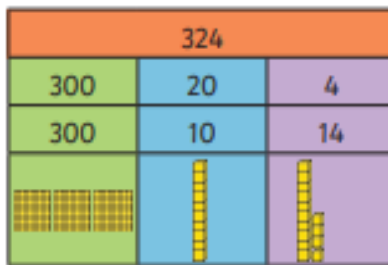
$$268 - 4 = 264$$



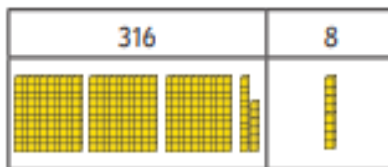
$$343 + 6 = 349$$



Crossing 10s (Exchanging)



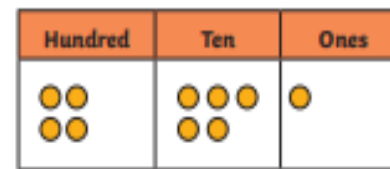
$$316 + 8 = 324$$



$$324 - 8 = 316$$

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

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

$$\begin{array}{r} 368 \\ -73 \\ \hline 8 \end{array}$$

3-digit numbers

Not crossing

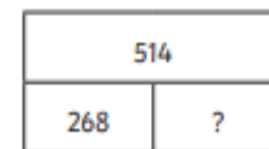
$$679 - 351 = 328$$



Crossing 10s (Exchanging)



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



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

Add and Subtract 100s

$$284 + 300 = 584$$

