

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
 $268 - 4 = 264$

Hundred	Ten	Ones
●●	●●●●	●●●●●●

$343 + 6 = 349$

Crossing 10s (Exchanging)

324		
300	20	4
300	10	14

$316 + 8 = 324$

316	8
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$324 - 8 = 316$

3-digit and 2-digit numbers

Add and subtract tens

Hundred	Ten	Ones
●●●	●●●●	●

$451 + 3 \text{ tens} = 481$ ($5 + 3 = 8$)
 $451 - 4 \text{ tens} = 411$ ($5 - 4 = 1$)

Crossing 10s (Exchanging)

$258 + 80 = 338$

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

Crossing 10 and 100

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

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

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

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

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

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

3-digit numbers

Not crossing

$679 - 351 = 328$

Hundred	Ten	Ones
●●●	●●●●	●●●●

Crossing 10s (Exchanging)

?

154 269

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

4101

514
268 ?

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

Add and Subtract 100s

$264 + 300 = 564$

Hundred	Ten	Ones
●●●	●●	●
●●●		

Estimate

Estimate by dividing the hundred into 250 and 225.
 Estimate 10s (330, 340) between 325 and 350.

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

Near numbers:

413	521	782
↓	↓	↓
400	500	800

300

Check Answers

347
273 74

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

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

423

154 269

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