



Year 3 Addition and Subtraction

Key Vocabulary	Addition and Subtraction Methods																																									
add	<p>3 digit and 1 digit numbers</p> <p>Not crossing 10s $268 - 4 = 264$</p> <table border="1" style="margin: 10px auto; text-align: center;"> <tr style="background-color: #f4a460;"><th>Hundred</th><th>Ten</th><th>Ones</th></tr> <tr> <td style="text-align: center;">●●</td> <td style="text-align: center;">●●●●</td> <td style="text-align: center;">●●●●●●</td> </tr> </table> <p style="text-align: center;">$343 + 6 = 349$</p> <p>Crossing 10s (Exchanging)</p> <table border="1" style="margin: 10px auto; text-align: center;"> <tr style="background-color: #f4a460;"><th colspan="3">324</th></tr> <tr> <td style="background-color: #92d050;">300</td> <td style="background-color: #4682b4;">20</td> <td style="background-color: #9370db;">4</td> </tr> <tr> <td style="background-color: #92d050;">300</td> <td style="background-color: #4682b4;">10</td> <td style="background-color: #9370db;">14</td> </tr> </table> <p style="text-align: center;">$316 + 8 = 324$</p> <table border="1" style="margin: 10px auto; text-align: center;"> <tr> <td style="width: 100px;">316</td> <td style="width: 50px;">8</td> </tr> </table> <p style="text-align: center;">$324 - 8 = 316$</p>	Hundred	Ten	Ones	●●	●●●●	●●●●●●	324			300	20	4	300	10	14	316	8	<p>3-digit and 2-digit numbers</p> <p>Add and subtract tens</p> <table border="1" style="margin: 10px auto; text-align: center;"> <tr style="background-color: #f4a460;"><th>Hundred</th><th>Ten</th><th>Ones</th></tr> <tr> <td style="text-align: center;">●●</td> <td style="text-align: center;">●●●●</td> <td style="text-align: center;">●</td> </tr> </table> <p>$451 + 3 \text{ tens} = 481$ ($5 + 3 = 8$) $451 - 4 \text{ tens} = 411$ ($5 - 4 = 1$)</p> <p>Crossing 10s (Exchanging)</p> <p>$258 + 80 = 338$</p> <ul style="list-style-type: none"> • Column method • Count in 10s mentally • Add 100, subtract 20 <p>Crossing 10 and 100</p> <table style="margin: 10px auto;"> <tr> <td style="text-align: center;">$\begin{array}{r} 368 \\ +73 \\ \hline 1 \end{array}$</td> <td style="text-align: center;">$\begin{array}{r} 368 \\ +73 \\ \hline 41 \end{array}$</td> <td style="text-align: center;">$\begin{array}{r} 368 \\ +73 \\ \hline 441 \end{array}$</td> </tr> <tr> <td style="text-align: center;">$\begin{array}{r} 31 \\ 441 \\ -73 \\ \hline 8 \end{array}$</td> <td style="text-align: center;">$\begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 68 \end{array}$</td> <td style="text-align: center;">$\begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 368 \end{array}$</td> </tr> </table>	Hundred	Ten	Ones	●●	●●●●	●	$\begin{array}{r} 368 \\ +73 \\ \hline 1 \end{array}$	$\begin{array}{r} 368 \\ +73 \\ \hline 41 \end{array}$	$\begin{array}{r} 368 \\ +73 \\ \hline 441 \end{array}$	$\begin{array}{r} 31 \\ 441 \\ -73 \\ \hline 8 \end{array}$	$\begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 68 \end{array}$	$\begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 368 \end{array}$	<p>3-digit numbers</p> <p>Not crossing $679 - 351 = 328$</p> <table border="1" style="margin: 10px auto; text-align: center;"> <tr style="background-color: #f4a460;"><th>Hundred</th><th>Ten</th><th>Ones</th></tr> <tr> <td style="text-align: center;">●●●</td> <td style="text-align: center;">●●●●</td> <td style="text-align: center;">●●●●●</td> </tr> </table> <p>Crossing 10s (Exchanging)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> $\begin{array}{r} 269 \\ +154 \\ \hline 423 \\ 11 \end{array}$ </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%; text-align: center;">514</td><td style="width: 50%;"></td></tr> <tr><td style="text-align: center;">268</td><td style="text-align: center;">?</td></tr> </table> </div> <div style="text-align: center;"> $\begin{array}{r} 4101 \\ 514 \\ -268 \\ \hline 246 \end{array}$ </div> </div>	Hundred	Ten	Ones	●●●	●●●●	●●●●●	514		268	?
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Add and Subtract 100s

$284 + 300 = 584$

Hundred	Ten	Ones
●●●●	●●●●●●	●
●●●●	●●●●	●●●●

Estimate

Estimate by dividing the hundred into 250 and 225.

Estimate 10s (330, 340) between 325 and 350.



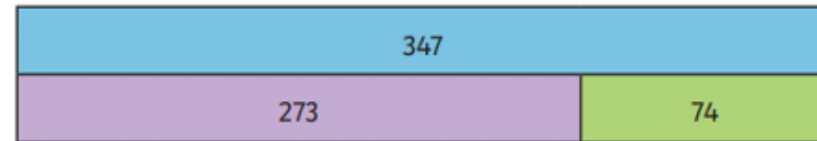
Estimate $167 - 89$

Use near numbers $170 - 90 = 80$

Near numbers:

413	279	521	782
↓	↓	↓	↓
400	300	500	800

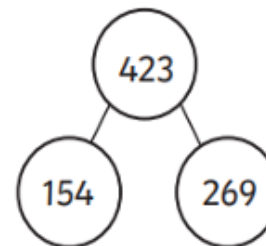
Check Answers



$347 - 74 = 273$ can be checked using

$$273 + 74 = 347$$

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



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