Subtracting Across Zeros

Here is how to subtract across zeros.

Find $606 - 377$.

Estimate: $600 - 400 = 200$

Step 1	**Step 2**	**Step 3**	**Step 4**
$\begin{array}{r} 606 \\ -\ 377 \\ \hline \end{array}$	$\begin{array}{r} {}^{5\ 10} \\ 6\cancel{0}6 \\ -\ 377 \\ \hline \end{array}$	$\begin{array}{r} {}^{9} \\ {}^{5\ \cancel{10}\ 16} \\ \cancel{6}\cancel{0}\cancel{6} \\ -\ 377 \\ \hline \end{array}$	$\begin{array}{r} {}^{9} \\ {}^{5\ \cancel{10}\ 16} \\ \cancel{6}\cancel{0}\cancel{6} \\ -\ 377 \\ \hline 229 \end{array}$
You cannot subtract 7 ones from 6 ones, so you must regroup.	Since there is a zero in the tens place, you must regroup using the hundreds. Regroup 6 hundreds as 5 hundreds and 10 tens.	Regroup 10 tens and 6 ones as 9 tens and 16 ones.	Subtract. $\begin{array}{r} {}^{1\ 1} \\ 229 \\ +\ 377 \\ \hline 606 \end{array}$ You can check your answer by using addition.

Subtract.

1. $\begin{array}{r} 707 \\ -\ \ 58 \\ \hline \end{array}$ 2. $\begin{array}{r} 950 \\ -\ \ 47 \\ \hline \end{array}$ 3. $\begin{array}{r} 800 \\ -\ 638 \\ \hline \end{array}$ 4. $\begin{array}{r} 3{,}506 \\ -\ \ \ 866 \\ \hline \end{array}$

5. $\begin{array}{r} 4{,}507 \\ -\ 3{,}569 \\ \hline \end{array}$ 6. $\begin{array}{r} 3{,}076 \\ -\ 1{,}466 \\ \hline \end{array}$ 7. $\begin{array}{r} 8{,}106 \\ -\ 2{,}999 \\ \hline \end{array}$ 8. $\begin{array}{r} 6{,}083 \\ -\ 1{,}492 \\ \hline \end{array}$

9. **Reasonableness** Lexi subtracts 9,405 from 11,138. Should her answer be greater than or less than 2,000? Explain.

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