

## LI: 3-digit expanded decomposition.

To solve each of the following problems, follow these steps:

1. Partition all of the numbers into hundreds, tens and units.
2. Set out numbers into a column subtraction.
3. Subtract units, then tens and finally hundreds.
4. When you have found the differences in each column, add them together to find the total difference (the answer!).

e.g.  $654 - 321 = ?$

(Steps 1 and 2)	(Steps 3 & 4)
$\begin{array}{r} 600 \quad 50 \quad 4 \\ - 300 \quad 20 \quad 1 \\ \hline \hline \end{array}$	$\begin{array}{r} 600 \quad 50 \quad 4 \\ - 300 \quad 20 \quad 1 \\ \hline 300 + 30 + 3 = 333 \end{array}$

Solve:

1.  $655 - 324 =$

2.  $376 - 115 =$

3.  $865 - 253 =$

4.  $497 - 275 =$

5.  $658 - 326 =$

6.  $356 - 122 =$

7.  $967 - 135 =$

8.  $663 - 252 =$