

**Example: Solve 642 - 379 using the partial differences method**

$$642 - 379 = ?$$

Subtract the 100's:  $600 - 300 = 300$   
Use a "+" sign because the bottom number is smaller.

Subtract the 10's:  $40 - 70 = 30$   
Use a "-" sign because the top number is smaller.

Subtract the 1's:  $2 - 9 = 7$   
Use a "-" sign because the top number is smaller.

$$\begin{array}{r} 642 \\ - 379 \\ \hline + 300 \\ - 30 \\ - 7 \\ \hline 263 \end{array}$$

Total the "partial differences" to find your difference.

$$642 - 379 = 263$$

$\begin{array}{r} 398 \\ - 389 \\ \hline + 000 \\ + 10 \\ - 1 \\ \hline 9 \end{array}$	$\begin{array}{r} 700 \\ - 422 \\ \hline + 300 \\ - 20 \\ - 2 \\ \hline 278 \end{array}$	$\begin{array}{r} 600 \\ - 137 \\ \hline + 500 \\ - 30 \\ - 7 \\ \hline 463 \end{array}$
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$\begin{array}{r} 995 \\ - 179 \\ \hline + 800 \\ + 20 \\ - 4 \\ \hline 816 \end{array}$	$\begin{array}{r} 370 \\ - 199 \\ \hline + 200 \\ - 20 \\ - 9 \\ \hline 171 \end{array}$	$\begin{array}{r} 617 \\ - 135 \\ \hline + 500 \\ - 20 \\ + 2 \\ \hline 482 \end{array}$
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