

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.

$$642 - 379 = 263$$

$\begin{array}{r} 760 \\ - 635 \\ \hline + 100 \\ + 30 \\ - 5 \\ \hline 125 \end{array}$	$\begin{array}{r} 600 \\ - 292 \\ \hline + 400 \\ - 90 \\ - 2 \\ \hline 308 \end{array}$	$\begin{array}{r} 922 \\ - 710 \\ \hline + 200 \\ + 10 \\ + 2 \\ \hline 212 \end{array}$
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$\begin{array}{r} 587 \\ - 535 \\ \hline + 000 \\ + 50 \\ + 2 \\ \hline 52 \end{array}$	$\begin{array}{r} 925 \\ - 557 \\ \hline + 400 \\ - 30 \\ - 2 \\ \hline 368 \end{array}$	$\begin{array}{r} 902 \\ - 626 \\ \hline + 300 \\ - 20 \\ - 4 \\ \hline 276 \end{array}$
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