

**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.

$$642 - 379 = 263$$

$$\begin{array}{r} 876 \\ - 272 \\ \hline \end{array} \quad \begin{array}{r} 437 \\ - 232 \\ \hline \end{array} \quad \begin{array}{r} 952 \\ - 423 \\ \hline \end{array}$$

$$\begin{array}{r} 824 \\ - 161 \\ \hline \end{array} \quad \begin{array}{r} 709 \\ - 544 \\ \hline \end{array} \quad \begin{array}{r} 500 \\ - 480 \\ \hline \end{array}$$