

# Use Paper and Pencil

Paper-and-Pencil Methods		
Expanded Form	All-Partials	Compact
$  \begin{array}{r}  83 = 80 + 3 \\  + 38 = 30 + 8 \\  \hline  110 + 11 = 121  \end{array}  $	$  \begin{array}{r}  83 \\  + 38 \\  \hline  110 \\  + 11 \\  \hline  121  \end{array}  $	$  \begin{array}{r}  \overset{1}{8}3 \\  + 38 \\  \hline  121  \end{array}  $

Solve each problem using a paper-and-pencil method. Choose each way at least once. Estimate first to make sure your answer is reasonable.

**A.**  $88 + 22 =$

Estimate:

**B.** 
$$\begin{array}{r}
 44 \\
 + 79 \\
 \hline
 \end{array}$$

Estimate:

**C.**  $95 + 37 =$

Estimate:
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**D.** 
$$\begin{array}{r} 76 \\ + 41 \\ \hline \end{array}$$

Estimate:
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**E.**  $52 + 29 =$

Estimate:
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**F.** Choose one problem. Show how you estimate to check the reasonableness of your answer.