



4th Grade Cryptarithms



Directions: Each digit has been replaced by a letter. All letters that are the same represent the same digit. Find all the digits.

Example:

$$\begin{array}{r} \text{TO} \\ + \text{DO} \\ \hline \text{TOO} \end{array} \longrightarrow \begin{array}{r} 10 \\ + 90 \\ \hline 100 \end{array}$$

1.

$$\begin{array}{r} \text{PIG} \\ + \text{DOG} \\ \hline \text{POGO} \end{array}$$

2.

$$\begin{array}{r} \text{BIG} \\ + \text{PIG} \\ \hline \text{BALL} \end{array}$$

3.

$$\begin{array}{r} \text{HERO} \\ + \text{ZERO} \\ \hline \text{ROUGH} \end{array}$$

4.

$$\begin{array}{r} \text{ABBA} \\ - \text{BAAB} \\ \hline \text{BAD} \end{array}$$



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1.

$$\begin{array}{r} 145 \\ + 905 \\ \hline 1,050 \end{array}$$

2.

$$\begin{array}{r} 172 \\ + 872 \\ \hline 1,044 \end{array}$$

3.

$$\begin{array}{r} 6,413 \\ + 7,413 \\ \hline 13,826 \end{array}$$

4.

$$\begin{array}{r} 9,889 \\ - 8,998 \\ \hline 891 \end{array}$$