

Cryptarithms

In each problem, each letter stands for a DIGIT. Every time that letter is used, it stands for the same digit. For example, if $A = 3$ and $B = 2$, then the expression $AABB$ is really 3322 . In the following problems, break the code and find the digits that makes each problem correct.

$$\begin{array}{r} 1. \quad AA \\ + AB \\ \hline CBA \end{array}$$

$$\begin{array}{r} 2. \quad PQ \\ + NQ \\ \hline NRR \end{array}$$

$$\begin{array}{r} 3. \quad JK \\ + KJ \\ \hline DJD \end{array}$$

$$\begin{array}{r} 4. \quad EF \\ + GG \\ \hline GHE \end{array}$$

$$\begin{array}{r} 5. \quad ST \\ + TV \\ \hline TLS \end{array}$$

$$\begin{array}{r} 6. \quad WXX \\ + YXZ \\ \hline YZZX \end{array}$$

$$\begin{array}{r} 7. \quad ABC \\ + DEC \\ \hline DEAE \end{array}$$

$$\begin{array}{r} 8. \quad EFGH \\ + EFGH \\ \hline MMEFG \end{array}$$

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$$\begin{array}{r} 1. \quad PPQQ \\ + PPQQ \\ \hline RQSPP \end{array}$$

$$\begin{array}{r} 2. \quad AA \\ \quad AB \\ + ABC \\ \hline DEEA \end{array}$$

$$\begin{array}{r} 3. \quad BEEN \\ + NET \\ \hline NBNB \end{array}$$

$$\begin{array}{r} 4. \quad STRAW \\ \quad \quad \quad \times 4 \\ \hline WARTS \end{array}$$