

Treasure of Classic
and Modern Puzzles

Puzzles with Numbers

$$\begin{array}{r}
 \times \\
 \hline
 \end{array}
 \begin{array}{r}
 * * \\
 * \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 + \\
 \hline
 \end{array}
 \begin{array}{r}
 * * \\
 * * \\
 \hline
 * *
 \end{array}$$

A Simple Cryptarithm

by Henry E. Dudeney

This cryptarithm is built in such a way that first you multiply two numbers and then add to the result one extra number to get the final result. Every asterisk in this cryptarithm means some digit from 1 through 9, and every digit is used exactly once. 0 isn't used.

The object is to replace all the asterisks with digits from 1 through 9 so that the whole calculation is correct. The solution is unique.

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Puzzles with Numbers

$$\begin{array}{r}
 17 \\
 \times 4 \\
 \hline
 68 \\
 + 25 \\
 \hline
 93
 \end{array}$$

A Simple Cryptarithm (solution)

The unique solution to this cryptarithm is shown in the illustration.