

1. Missing-Digit Multiplication and Division

Fill in the missing digits (indicated by “?”) for these problems.

$$\begin{array}{r} \text{a)} \quad \frac{\quad \quad ??}{5? \overline{) 1???}} \\ \underline{-?5?} \\ \quad ??? \\ \underline{-400} \\ \quad \quad 0 \end{array} \qquad \begin{array}{r} \text{b)} \quad \begin{array}{r} ??? \\ \times 2?? \\ \hline ?1?7 \\ ?7?0 \\ \hline + ?14?00 \\ \hline ?25??? \end{array} \end{array}$$

2. Digit Arithmetic Puzzles

With each of the following puzzles, you must put in a digit for each letter. For each problem, the same digit must be put into the same letters, and different letters must have different digits.

$$\begin{array}{r} \text{a)} \quad \begin{array}{r} AB \\ AB \\ AB \\ + AB \\ \hline CA \end{array} \qquad \text{b)} \quad \begin{array}{r} ABCD \\ + EFGH \\ \hline EFCBH \end{array} \end{array}$$

Seventh Grade Puzzles