

## Cryptarithm Puzzles

## Smart Moves Page 6

**Objective:** Solve the cryptarithms. In each puzzle, every letter represents a different digit and each occurrence of a letter represents the same number. The left digit of a multi-digit number cannot be zero.

### Cryptarithm Puzzle 1 ♪

$$\begin{array}{r} \text{A B C} \\ + \text{C B C} \\ \hline \text{C D E B} \end{array}$$

### Cryptarithm Puzzle 2 ♪

$$\begin{array}{r} \text{A B B C} \\ + \text{A D E C} \\ \hline \text{C B B 6 E} \end{array}$$

### Cryptarithm Puzzle 3 ♪

$$\begin{array}{r} \text{B A} \\ + \text{B A} \\ \hline \text{R A A} \end{array}$$

## Cryptarithm Puzzles

## Smart Moves Page 5

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### Cryptarithm Puzzle 4 ♪

$$\begin{array}{r}
 \text{A 4 C D} \\
 \times \quad \quad \text{E 3} \\
 \hline
 \quad \text{7 4 F 4} \\
 \text{A 4 C D} \\
 \hline
 \text{3 A F D 4}
 \end{array}$$

### Cryptarithm Puzzle 5 ♪

$$\begin{array}{r}
 \text{7 A 8} \\
 \text{A 8 7} \\
 + \text{8 7 A} \\
 \hline
 \text{B C D E}
 \end{array}$$

### Cryptarithm Puzzle 6 ♪

$$\begin{array}{r}
 \quad \text{7 B C} \\
 \times \quad \text{B C} \\
 \hline
 \text{F E D C} \\
 \text{7 B C} \\
 \hline
 \text{B B F G C}
 \end{array}$$