

# Puzzle of the Week

## *Letter Substitutions – 5*

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Rules:

1. A letter represents a digit from 0 to 9, and has the same value throughout a single puzzle.
2. No number can start with the digit 0.
3. Within a puzzle, different letters must have different values.

$$\begin{array}{r}
 8 \\
 + \underline{A} \\
 B \ 2
 \end{array}
 \Rightarrow
 \begin{array}{r}
 8 \\
 + \underline{4} \\
 1 \ 2
 \end{array}$$

**THE CHALLENGE:** Find the value of B, E, S, T, O, G, and U in these puzzles.

$$\begin{array}{r}
 B \ E \\
 + \underline{B \ E} \\
 S \ E \ E
 \end{array}
 \qquad
 \begin{array}{r}
 T \ O \\
 + \underline{G \ O} \\
 O \ U \ T
 \end{array}$$

**EXPLORATION:** Make some letter substitution puzzles for your friends to solve.