

# Puzzle of the Week

## *Fractions – 4*

**THE CHALLENGE:** Use the numbers 1 to 9 at most once each to fill the boxes in each of these puzzles. Make these two-digit fractions as close to the target numbers from 1 to 5 as possible, without equalling the number.

For example,  $85/17 = 5$  is not allowed as a contender, but  $83/17$  is okay and is somewhat close to 5.

$$\frac{\square\square}{\square\square} \sim 1$$

$$\frac{\square\square}{\square\square} \sim 2$$

$$\frac{\square\square}{\square\square} \sim 3$$

$$\frac{\square\square}{\square\square} \sim 4$$

$$\frac{\square\square}{\square\square} \sim 5$$

1 2 3 4 5 6 7 8 9

**EXPLORATION:** Look at what happens for targets from 6 to 10. What changes in your strategy for targets above some value?