

Puzzle of the Week

Fractions – 8

THE CHALLENGE: Use the numbers 1 to 9 at most once each to fill in these boxes. Organize your answers by putting the fractions in increasing size of their denominators. Can you find more than one solution?

$$\frac{\square}{\square} + \frac{\square}{\square} + \frac{\square}{\square} = 1$$

1 2 3 4 5 6 7 8 9

EXPLORATION: Can you solve it if 1 is replaced by other numbers, such as 2 or 3? What happens if you insist that the number on the right side of the equation cannot be one of the numbers on the left side?