

Puzzle of the Week

Fractions – 7

THE CHALLENGE: Use the numbers 1 to 9 at most once each to fill in these boxes. Do not use improper fractions. How many solutions can you find?

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

1 2 3 4 5 6 7 8 9

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Fractions – 7 – Notes

THE CHALLENGE: Playing around with compatible denominators produces this list:

- $1/6 + 4/8 = 2/3$
- $1/6 + 3/9 = 2/4$
- $1/4 + 2/8 = 3/6$
- $1/6 + 3/9 = 4/8$
- $1/2 + 3/9 = 5/6$
- $1/3 + 2/4 = 5/6$
- $1/3 + 4/8 = 5/6$
- $2/4 + 3/9 = 5/6$
- $4/8 + 3/9 = 5/6$