

Puzzle of the Week

Fractions – 3

THE CHALLENGE: Use the numbers 1 to 9 at most once each to fill in the boxes. Find two mixed numbers, whose fractional parts are proper fractions, that have as small a difference as possible.

$$\square \frac{\square}{\square} - \square \frac{\square}{\square}$$

1 2 3 4 5 6 7 8 9

EXPLORATION: How does your answer change if you allow the fractional parts to be improper?