

The Weekly Rigor

No. 348

“A mathematician is a machine for turning coffee into theorems.”

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20 Problems in Solving Fractional Equations (Part 1)

PROBLEMS

Solve each equation.

1. $\frac{x+2}{5} + \frac{x-1}{6} = \frac{3}{5}$.

2. $\frac{x+4}{3} - \frac{x-5}{9} = 1$.

3. $\frac{9}{4x} + \frac{1}{3} = \frac{5}{2x}$.

4. $\frac{3}{4x} + \frac{5}{6} = \frac{4}{3x}$.

5. $n + \frac{1}{n} = \frac{37}{6}$.

6. $n - \frac{3}{n} = \frac{26}{3}$.

7. $\frac{3}{2x-1} = \frac{5}{3x+2}$.

8. $\frac{5}{2a-1} = \frac{-6}{3a+2}$.

“Only he who never plays, never loses.”

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