Name: _____

Date: _____ Score: _____

MATH MONKS

Multi-Step Equations: Fractions Worksheet

Solve each equation. Show your work.

1. $-\frac{1}{4} - s = -\frac{5}{6}$

2. $r + \frac{1}{3} - \frac{8}{5} = \frac{22}{5}$

3. $-\frac{10}{3}m + \frac{5}{3}m = \frac{35}{6}$

4. $\frac{4}{5}r + \frac{7}{5}r = \frac{3}{4}$

5. $\frac{8}{3}r + \frac{9}{4}r = -\frac{5}{12}$

6. $\frac{5}{7}(\frac{3}{2} + n) = \frac{145}{84}$

7. $\frac{5}{4}(b - 1) = \frac{5}{2}$

8. $64 = -\frac{15}{4}(2x - \frac{2}{3}) - \frac{11}{4}x$

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Answers

① $-\frac{1}{4} - s = -\frac{5}{6}$

$s = \frac{7}{12}$

② $r + \frac{1}{3} - \frac{8}{5} = \frac{22}{5}$

$r = 5\frac{2}{3}$

③ $-\frac{10}{3}m + \frac{5}{3}m = \frac{35}{6}$

$m = -3\frac{1}{2}$

④ $\frac{4}{5}r + \frac{7}{5}r = \frac{3}{4}$

$r = \frac{15}{44}$

⑤ $\frac{8}{3}r + \frac{9}{4}r = -\frac{5}{12}$

$r = -\frac{5}{59}$

⑥ $\frac{5}{7}(\frac{3}{2} + n) = \frac{145}{84}$

$n = \frac{11}{12}$

⑦ $\frac{5}{4}(b - 1) = \frac{5}{2}$

$b = 3$

⑧ $64 = -\frac{15}{4}(2x - \frac{2}{3}) - \frac{11}{4}x$

$x = -6$