

Student Name: _____

Score: _____

Solve the Multi-Step Equations – Fractions

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

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

$$\frac{2}{5}(x - 4) = \frac{1}{2}$$

$$\frac{3}{2} + x + \frac{2}{5} = \frac{x + 3}{5}$$

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

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

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Answers

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

$$x = 1$$

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

$$x = -\frac{10}{17}$$

$$\frac{2}{5}(x-4) = \frac{1}{2}$$

$$x = \frac{21}{4} \text{ or } 5\frac{1}{4}$$

$$\frac{3}{2} + x + \frac{2}{5} = \frac{x+3}{5}$$

$$x = -\frac{13}{8} \text{ or } -1\frac{5}{8}$$

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

$$x = \frac{7}{2} \text{ or } 3\frac{1}{2}$$

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

$$x = \frac{3}{4}$$