

Name: .....

Date: ..... Score: .....

## One-Step Equations with Fractions

①  $\frac{2}{3}x - 15 = 65$

②  $2x = \frac{49}{5}$

③  $\frac{9}{10}x = -\frac{11}{10}$

④  $\frac{12}{5} = \frac{1}{3} + x$

⑤  $x - \frac{4}{7} = 14$

⑥  $x - \frac{x-1}{2} = 0$

⑦  $\frac{1}{3} = x + \frac{4}{3}$

⑧  $\frac{1}{2} + \frac{x}{3} = \frac{x}{2}$

⑨  $x - \frac{3}{9} = 15$

⑩  $\frac{2x-1}{3} + 3 = x$

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### Answers

$$\textcircled{1} \quad \frac{2}{3}x - 15 = 65$$

$$x = 120$$

$$\textcircled{2} \quad 2x = \frac{49}{5}$$

$$x = \frac{49}{10}$$

$$\textcircled{3} \quad \frac{9}{10}x = -\frac{11}{10}$$

$$x = -\frac{11}{9}$$

$$\textcircled{4} \quad \frac{12}{5} = \frac{1}{3} + x$$

$$x = \frac{31}{15}$$

$$\textcircled{5} \quad x - \frac{4}{7} = 14$$

$$x = \frac{102}{7}$$

$$\textcircled{6} \quad x - \frac{x-1}{2} = 0$$

$$x = -1$$

$$\textcircled{7} \quad \frac{1}{3} = x + \frac{4}{3}$$

$$x = -1$$

$$\textcircled{8} \quad \frac{1}{2} + \frac{x}{3} = \frac{x}{2}$$

$$x = 3$$

$$\textcircled{9} \quad x - \frac{3}{9} = 15$$

$$x = \frac{46}{3}$$

$$\textcircled{10} \quad \frac{2x-1}{3} + 3 = x$$

$$x = 8$$