

Name: .....

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

## Two-Step Equations: Fractions

①  $-\frac{1}{8}x + 6 = 18$

②  $\frac{x}{3} + \frac{2}{5} = 1$

③  $8 = -\frac{5}{3}(x - 31)$

④  $\frac{x}{8} + 4 = \frac{7}{24}$

⑤  $\frac{2}{3}x - 12 = 10$

⑥  $\frac{x}{5} + 5 = 7(x - 36)$

⑦  $\frac{6}{8} = \frac{2}{4}x - 14$

⑧  $\frac{2x}{15} = 3x + 2$

⑨  $\frac{9}{5}x + 32 = 340$

⑩  $\frac{5x}{3} = 12\frac{1}{9}$

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## Two-Step Equations: Fractions

### Answers

$$\textcircled{1} \quad -\frac{1}{8}x + 6 = 18$$

$$x = -96$$

$$\textcircled{2} \quad \frac{x}{3} + \frac{2}{5} = 1$$

$$x = \frac{9}{5}$$

$$\textcircled{3} \quad 8 = -\frac{5}{3}(x - 31)$$

$$x = \frac{131}{5}$$

$$\textcircled{4} \quad \frac{x}{8} + 4 = \frac{7}{24}$$

$$x = -\frac{445}{24}$$

$$\textcircled{5} \quad \frac{2}{3}x - 12 = 10$$

$$x = 33$$

$$\textcircled{6} \quad \frac{x}{5} + 5 = 7(x - 36)$$

$$x = \frac{1285}{34}$$

$$\textcircled{7} \quad \frac{6}{8} = \frac{2}{4}x - 14$$

$$x = \frac{59}{2}$$

$$\textcircled{8} \quad \frac{2x}{15} = 3x + 2$$

$$x = -\frac{30}{43}$$

$$\textcircled{9} \quad \frac{9}{5}x + 32 = 340$$

$$x = \frac{1540}{9}$$

$$\textcircled{10} \quad \frac{5x}{3} = 12\frac{1}{9}$$

$$x = 7\frac{4}{15}$$