

**Solving One-Step Inequalities**

Fractions: S5

Solve each inequality.

1)  $x + 7 \leq \frac{8}{5}$

2)  $\frac{1}{2}x \geq \frac{1}{8}$

3)  $\frac{x}{9} < -\frac{1}{3}$

4)  $\frac{7}{4} > 2x$

$3 < x - \frac{5}{8}$

7)  $x - \frac{2}{9} \leq 2$

$\frac{8}{3}x \leq \frac{5}{9}$

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10)  $-\frac{4}{7} < \frac{x}{3}$

11)  $x - \frac{8}{5} \geq \frac{1}{5}$

12)  $-\frac{2}{3} < x + \frac{9}{4}$

**Solving One-Step Inequalities**

Fractions: S5

Solve each inequality.

1)  $x + 7 \leq \frac{8}{5}$

$x \leq -\frac{27}{5}$

2)  $\frac{1}{2}x \geq \frac{1}{8}$

$x \geq \frac{1}{4}$

3)  $\frac{x}{9} < -\frac{1}{3}$

$x < -3$

4)  $\frac{7}{4} > 2x$

$x < \frac{7}{8}$

$3 < x - \frac{5}{8}$

$x > \frac{29}{8}$

7)  $x - \frac{2}{9} \leq 2$

$x \leq \frac{20}{9}$

$\frac{8}{3}x \leq \frac{5}{9}$

$x \leq \frac{5}{24}$

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10)  $-\frac{4}{7} < \frac{x}{3}$

$x > -\frac{12}{7}$

11)  $x - \frac{8}{5} \geq \frac{1}{5}$

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

12)  $-\frac{2}{3} < x + \frac{9}{4}$

$x > -\frac{35}{12}$