

**Solving One-Step Inequalities**

Fractions: S4

Solve each inequality.

1)  $\frac{1}{6} < \frac{x}{2}$

2)  $x + \frac{3}{4} \geq -\frac{5}{4}$

3)  $x - \frac{8}{3} \geq 4$

4)  $x + 8 \leq \frac{1}{3}$

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

7)  $\frac{4}{5}x \geq -3$

$\frac{5}{2} > x + 9$

10)  $-\frac{1}{2} < x - \frac{6}{7}$

11)  $\frac{7}{9} > -\frac{1}{9}x$

12)  $-6 > \frac{x}{5}$

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**Answer key****Solving One-Step Inequalities**

Fractions: S4

Solve each inequality.

1)  $\frac{1}{6} < \frac{x}{2}$

$x > \frac{1}{3}$

2)  $x + \frac{3}{4} \geq -\frac{5}{4}$

$x \geq -2$

3)  $x - \frac{8}{3} \geq 4$

$x \geq \frac{20}{3}$

4)  $x + 8 \leq \frac{1}{3}$

$x \leq -\frac{23}{3}$

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

$x > \frac{1}{2}$

7)  $\frac{4}{5}x \geq -3$

$x \geq -\frac{15}{4}$

$\frac{5}{2} > x + 9$

$x < -\frac{13}{2}$

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10)  $-\frac{1}{2} < x - \frac{6}{7}$

$x > \frac{5}{14}$

11)  $\frac{7}{9} > -\frac{1}{9}x$

$x > -7$

12)  $-6 > \frac{x}{5}$

$x < -30$