

Solving Multi-Step Inequalities

DS2

Solve each inequality.

1) $\frac{1}{2-x} \leq \frac{1}{2x+1}$

2) $\frac{2}{x-4} < \frac{1}{x+5}$

3) $\frac{x}{2} + \frac{x}{3} \geq \dots$

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5) $\frac{3x-1}{3} < 2x$

40)

7) $\frac{1}{2}(x-5) < x-2$

8) $\frac{6x-3}{2x+1} > 1$

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Solve each inequality.

1) $\frac{1}{2-x} \leq \frac{1}{2x+1}$

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

2) $\frac{2}{x-4} < \frac{1}{x+5}$

$x < -14$

3) $\frac{x}{2} + \frac{x}{3} \geq \dots$

x

-1

5) $\frac{3x-1}{3} < 2x$

x

40)

-2

7) $\frac{1}{2}(x-5) < x-2$

$x > -1$

8) $\frac{6x-3}{2x+1} > 1$

$x > 1$

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