

Solving Two-Step Inequalities

DS3

Solve each inequality.

1) $-2 > 3 + \frac{x}{4}$

2) $-5x + 8 \geq -13x$

3) $2 < -6x - 10$

4) $-7 \leq \frac{x-9}{4}$

$14 + 8x \geq -10$

7) $4x - 2 \geq 16$

$9 > 5 + \frac{x}{7}$

10) $7x \geq 3x + 8$

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

12) $5x - 6 < -1$

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Solving Two-Step Inequalities

DS3

Solve each inequality.

1) $-2 > 3 + \frac{x}{4}$

$x < -20$

2) $-5x + 8 \geq -13x$

$x \geq -1$

3) $2 < -6x - 10$

$x < -2$

4) $-7 \leq \frac{x-9}{4}$

$x \geq -19$

$14 + 8x \geq -10$

$x \geq -3$

7) $4x - 2 \geq 16$

$x \geq \frac{9}{2}$

$9 > 5 + \frac{x}{7}$

$x < 28$

10) $7x \geq 3x + 8$

$x \geq 2$

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

$x \geq -3$

12) $5x - 6 < -1$

$x < 1$

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