

Solving Two-Step Inequalities

Decimals: S1

Solve each inequality.

1) $-3.5 > \frac{x}{0.5} + 8.6$

2) $-7.9x + 5.32 \geq -6x$

3) $24.3 < -9.8x - 54.1$

4) $6x - 10.6 \leq 12.8$

$14.3 + 2.5x \geq -10.2$

7) $-8.9 < 9x + 27.1$

$7.56 > 4.7 + \frac{x}{3}$

10) $\frac{x - 9.1}{0.2} \geq -6$

11) $12x < 4.9x + 5.68$

12) $2x - 1.5 \leq -6.8$

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Solving Two-Step Inequalities

Decimals: S1

Solve each inequality.

1) $-3.5 > \frac{x}{0.5} + 8.6$

$x < -6.05$

2) $-7.9x + 5.32 \geq -6x$

$x \leq 2.8$

3) $24.3 < -9.8x - 54.1$

$x < -8$

4) $6x - 10.6 \leq 12.8$

$x \leq 3.9$

$14.3 + 2.5x \geq -10.2$

$x \geq -9.8$

7) $-8.9 < 9x + 27.1$

$x > -4$

$7.56 > 4.7 + \frac{x}{3}$

$x < 8.58$

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10) $\frac{x - 9.1}{0.2} \geq -6$

$x \geq 7.9$

11) $12x < 4.9x + 5.68$

$x < 0.8$

12) $2x - 1.5 \leq -6.8$

$x \leq -2.65$