

Solving Two-Step Inequalities

Decimals: S2

Solve each inequality.

1) $-3.9x \leq 5.3x + 12.88$

2) $15.9 > 8 + \frac{x}{1.7}$

3) $3.2x - 13.06 \geq 6.14$

4) $-14.58 \leq -1.7 + 5x$

$-1 > \frac{x - 18.5}{7.9}$

7) $\frac{x}{2} + 10.2 < 11.7$

$-7.3x \leq -16x + 30.45$

10) $18 \geq -4.78x - 5.9$

11) $\frac{x - 1.6}{0.5} > -12$

12) $4x + 6.03 < -2.7x$

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Solving Two-Step Inequalities

Decimals: S2

Solve each inequality.

1) $-3.9x \leq 5.3x + 12.88$

$x \geq -1.4$

2) $15.9 > 8 + \frac{x}{1.7}$

$x < 13.43$

3) $3.2x - 13.06 \geq 6.14$

$x \geq 6$

4) $-14.58 \leq -1.7 + 5x$

$x \geq -2.3$

$-1 > \frac{x - 18.5}{7.9}$

$x < 10.6$

7) $\frac{x}{2} + 10.2 < 11.7$

$x < 3$

$-7.3x \leq -16x + 30.45$

$x \leq 3.5$

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10) $18 \geq -4.78x - 5.9$

$x \geq -5$

11) $\frac{x - 1.6}{0.5} > -12$

$x > -4.4$

12) $4x + 6.03 < -2.7x$

$x < -0.9$