

Solving Two-Step Inequalities

Decimals: S3

Solve each inequality.

1) $-9.2 < 4x - 12.6$

2) $-6.79x + 5.1 \geq -7.81x$

3) $-1.9 \leq \frac{x-5}{2.1}$

4) $\frac{x}{6} + 1.4 > 4.46$

$-2.3x - 7.32 < 12$

7) $46.36 \leq -15x - 2.1$

$-0.16 > 0.4x + 0.8$

10) $16.5x \geq 27.5x + 42.9$

11) $6x - 13.52 > 16.54$

12) $0.3 \leq \frac{x-9.3}{7}$

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Solving Two-Step Inequalities

Decimals: S3

Solve each inequality.

1) $-9.2 < 4x - 12.6$

$x > 0.85$

2) $-6.79x + 5.1 \geq -7.81x$

$x \geq -5$

3) $-1.9 \leq \frac{x-5}{2.1}$

$x \geq 1.01$

4) $\frac{x}{6} + 1.4 > 4.46$

$x > 18.36$

$-2.3x - 7.32 < 12$

$x > -8.4$

7) $46.36 \leq -15x - 2.4$

$x \leq -4.8$

$-0.16 > 0.4x + 0.8$

$x < -2.4$

10) $16.5x \geq 27.5x + 42.9$

$x \leq -3.9$

11) $6x - 13.52 > 16.54$

$x > 5.01$

12) $0.3 \leq \frac{x-9.3}{7}$

$x \geq 11.4$

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