

Solving Compound Inequalities

One-step: S3

Solve each inequality.

1) $-4 \leq \frac{x}{10} \leq -1$

2) $13x > 26$ and $\frac{x}{8} \geq 2$

3) $16x \geq 48$ or 1

$19x < -38$

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5) $x + 7 > 16$ and

7) $\frac{x}{35} \geq 0$ or -4

$27 > x - 25$

9) $x + 3 \geq 17$ or $8x \leq 24$

10) $-20 < x + 6 \leq -12$

Solving Compound Inequalities

One-step: S3

Solve each inequality.

1) $-4 \leq \frac{x}{10} \leq -1$

$$-40 \leq x \leq -10$$

2) $13x > 26$ and $\frac{x}{8} \geq 2$

$$x \geq 16$$

3) $16x \geq 48$ or 1

$$x$$

$19x < -38$

$$\text{or } x > 12$$

5) $x + 7 > 16$ and

$$9 <$$

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$$x \leq 10$$

7) $\frac{x}{35} \geq 0$ or -4

$$x \geq 0$$

$27 > x - 25$

no solution

9) $x + 3 \geq 17$ or $8x \leq 24$

$$x \leq 3 \text{ or } x \geq 14$$

10) $-20 < x + 6 \leq -12$

$$-26 < x \leq -18$$