

# Solving Compound Inequalities

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Solve each inequality.

1)  $x + 5 < 8$  and  $2x < -12$

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2)  $11 \leq 3 + y$  or  $1 + 3y > 4$

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3)  $-6 < 2a - 4 \leq -10$

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4)  $2b + 1 < 3$  and  $3b + 4 \leq -8$

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5)  $7u - 3 > 4$  or  $u + 2 \geq 9$

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6)  $n - 2 \leq 3$  and  $\frac{n}{7} \leq 8$

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7)  $-6 < 3m < 15$

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8)  $6n - 10 \leq 14$  or  $9n \leq 18$

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