

# Two-step inequalities

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|------|------|------------|
| NAME | DATE | SCORE / 16 |
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Solve each inequality.

1  $-3y - 14 \leq -20$  \_\_\_\_\_

2  $9n + 5 < -49$  \_\_\_\_\_

3  $3m - 7 > 17$  \_\_\_\_\_

4  $6y + 8 > 20$  \_\_\_\_\_

5  $8x + 5 < 77$  \_\_\_\_\_

6  $-2m + 10 < 16$  \_\_\_\_\_

7  $-3x - 13 > -28$  \_\_\_\_\_

8  $7x - 4 > -39$  \_\_\_\_\_

9  $7x - 11 \leq 24$  \_\_\_\_\_

10  $-6n - 7 < -55$  \_\_\_\_\_

11  $-3y - 2 < -11$  \_\_\_\_\_

12  $-6m + 3 \geq -51$  \_\_\_\_\_

13  $5x + 3 \geq 48$  \_\_\_\_\_

14  $-6y - 3 \geq 33$  \_\_\_\_\_

15  $7y - 13 \geq 1$  \_\_\_\_\_

16  $-3x + 7 < 19$  \_\_\_\_\_

## Two-step inequalities

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**1**  $-3y - 14 \leq -20$     $y \geq 2$

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**4**  $6y + 8 > 20$     $y > 2$

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**7**  $-3x - 13 > -28$     $x < 5$

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**10**  $-6n - 7 < -55$     $n > 8$

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**13**  $5x + 3 \geq 48$     $x \geq 9$

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**16**  $-3x + 7 < 19$     $x > -4$

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**2**  $9n + 5 < -49$     $n < -6$

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**5**  $8x + 5 < 77$     $x < 9$

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**8**  $7x - 4 > -39$     $x > -5$

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**11**  $-3y - 2 < -11$     $y > 3$

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**14**  $-6y - 3 \geq 33$     $y \leq -6$

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**3**  $3m - 7 > 17$     $m > 8$

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**6**  $-2m + 10 < 16$     $m > -3$

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**9**  $7x - 11 \leq 24$     $x \leq 5$

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**12**  $-6m + 3 \geq -51$     $m \leq 9$

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**15**  $7y - 13 \geq 1$     $y \geq 2$