

# Two-step inequalities

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|------|------|------------|
| NAME | DATE | SCORE / 16 |
|------|------|------------|

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

$6y + 8 > 20$ 
 $y > 2$

---

7

$-3x - 13 > -28$ 
 $x < 5$

---

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

$9n + 5 < -49$ 
 $n < -6$

---

5

$8x + 5 < 77$ 
 $x < 9$

---

8

$7x - 4 > -39$ 
 $x > -5$

---

11

$-3y - 2 < -11$ 
 $y > 3$

---

14

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

---

---

3

$3m - 7 > 17$ 
 $m > 8$

---

6

$-2m + 10 < 16$ 
 $m > -3$

---

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

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

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