Task card 1 Compound Inequalities

$$0 < 3x - 9 < 9$$

Task card 2 Compound Inequalities

$$2x + 2 < -8 \text{ or } 3x + 9 > 18$$

Task card 3 Compound Inequalities

$$-2 < -4x + 6 < 14$$

Task card 4 Compound Inequalities

Write the compound inequality shown on the number line.



Task card 5 Compound Inequalities

$$-3 < 2x + 9 < 11$$

Task card 6 Compound Inequalities

$$x - 7 < -10 \text{ or } 5x + 8 > 28$$

Task card 7 Compound Inequalities

$$6 < 4x - 6 < 22$$

Task card 8 Compound Inequalities

Write the compound inequality shown on the number line.



Task card 9 Compound Inequalities

$$-3 < 4x - 7 < 5$$

Task card 10 Compound Inequalities

$$x - 4 < -12 \text{ or } 5x - 1 > -1$$

Task card 11 Compound Inequalities

$$17 < 3x + 8 < 23$$

Task card 12 Compound Inequalities

Write the compound inequality shown on the number line.



Task card 13 Compound Inequalities

$$15 < 6x + 9 < 51$$

Task card 14 Compound Inequalities

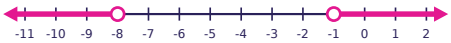
$$4x - 6 < -2 \text{ or } 3x - 7 > 5$$

Task card 15 Compound Inequalities

$$-1 < 3x - 4 < 11$$

Task card 16 Compound Inequalities

Write the compound inequality shown on the number line.



Task card 17 Compound Inequalities

$$-20 < -2x - 6 < -4$$

Task card 18 Compound Inequalities

$$-5x - 9 > 6 \text{ or } 4x - 8 > -8$$

Task card 19 Compound Inequalities

$$4 < -2x - 4 < 8$$

Task card 20 Compound Inequalities

Write the compound inequality shown on the number line.



Task card 21 Compound Inequalities

$$-10 < 2x - 4 < -4$$

Task card 22 Compound Inequalities

$$x + 4 < -3 \text{ or } 6x + 8 > -22$$

Task card 23 Compound Inequalities

$$3 < 4x + 7 < 27$$

Task card 24 Compound Inequalities

Write the compound inequality shown on the number line.



Compound Inequalities Task Cards

Recording sheet · Grade 9 · Solve each inequality or write the inequality that is graphed. Write "and" answers like -2 < x < 5 and "or" answers like x < -2 or x > 5.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Compound Inequalities Task Cards: Answer Key

Grade 9 · Hard

The answers online

1. 3 < x < 6	**2.** x < -5 or x > 3	**3.** -2 < x < 2
4. -5 < x < 2	**5.** -6 < x < 1	**6.** x < -3 or x > 4
7. 3 < x < 7	**8.** x < -6 or x > -2	**9.** 1 < x < 3
10. x < -8 or x > 0	**11.** 3 < x < 5	**12.** 0 < x < 5
13. 1 < x < 7	**14.** x < 1 or x > 4	**15.** 1 < x < 5
16. x < -8 or x > -1	**17.** -1 < x < 7	**18.** x < -3 or x > 0
19. -6 < x < -4	**20.** 1 < x < 7	**21.** -3 < x < 0
22. x < -7 or x > -5	**23.** -1 < x < 5	**24.** -2 < x < 2