

Name _____

Date _____

SOLVING INEQUALITIES COLORING ACTIVITY

Directions: Solve each inequality. Circle the color of your answer choice and color the corresponding areas on the coloring sheet.

1	$-90 \geq 18x$	$x \leq -5$ ORANGE	$-5 \leq x$ DK GREEN	$x \geq -5$ RED	$x < -5$ GOLD
2	$\frac{x}{3} > -8$	$x < -24$ WHITE	$24 > x$ PURPLE	$24 < x$ BLUE	$x > -24$ LT GREEN
3	$x - 10 < -26$	$-36 < x$ YELLOW	$-16 > x$ LT PURPLE	$x > -16$ ORANGE-RED	$x < -36$ LT BLUE
4	$19 - x \geq 21$	$x \leq 2$ BLACK	$x \leq -2$ PINK	$-2 \leq x$ SILVER	$2 \leq x$ AQUA
5	$\frac{x}{3} + 7 > 12$	$x > -15$ LT GREEN	$x < 15$ MAROON	$15 < x$ BROWN	$15 > x$ GRAY
6	$\frac{-5 + x}{4} > 1$	$x > 9$ DK GREEN	$x < 9$ GOLD	$x > -1$ PURPLE	$-1 > x$ RED
7	$-9(4 + x) > -126$	$10 > x$ RED	$x > 10$ LT BLUE	$x > -90$ YELLOW	$x < -90$ WHITE
8	$9(x - 7) < -90$	$x < 3$ BLACK	$x > -3$ AQUA	$x < -3$ GOLD	$x > 3$ LT PURPLE
9	$9 \geq \frac{1 + x}{2}$	$19 \geq x$ MAROON	$x \leq 17$ BLUE	$19 \leq x$ BROWN	$17 \leq x$ GRAY
10	$-23 < 1 - 4x - 8$	$x < 3.5$ SILVER	$3.5 < x$ PURPLE	$4 < x$ GRAY	$x < 4$ ORANGE-RED
11	$0 \geq 6x - 6x$	$0 \geq x$ GOLD	<i>No Solution</i> AQUA	$x \geq 0$ DK GREEN	<i>All Real Numbers</i> WHITE
12	$15 > 6x + 1 - 4$	$x < 2$ PINK	$x > 2$ RED	$x < 3$ PURPLE	$x > 3$ LT BLUE
13	$-96 \leq 8(x - 6)$	$x \leq -6$ PURPLE	$x \geq -6$ LT BLUE	$x \geq -18$ YELLOW	$-18 \geq x$ BLACK
14	$1 - 4(7 - 6x) < 141$	$x > 7$ LT PURPLE	$-7 < x$ BROWN	$x < 7$ YELLOW	$-7 > x$ BLUE
15	$-134 < 8x - 5(1 - 7x)$	$x < 3$ RED	$-3 > x$ WHITE	$x > -3$ SILVER	$3 < x$ PINK
16	$-6 + 8(6x + 2) < 7x + 10$	$x < 0$ BLACK	<i>No Solution</i> ORANGE-RED	<i>All Numbers</i> MAROON	$x > 0$ SILVER
17	$-3 + 3x \leq x + 2(x - 4)$	$x < 0$ BLUE	$x > 0$ DK GREEN	<i>All Numbers</i> LT BLUE	<i>No Solution</i> YELLOW
18	$-22 - 4x < -(4 - 5x)$	$-2 < x$ AQUA	$2 < x$ PINK	$x < 2$ LT PURPLE	$x < -2$ RED