SOLVING TWO STEP LINEAR INEQUALITIES

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

1.	$x + 5 > 8$	$x > 3$	2.	$2x - 3 < 7$	$x < 5$
3.	$4x + 1 \geq 17$	$x \geq 4$	4.	$3x - 2 \leq 10$	$x \leq 4$
5.	$5x + 4 > 19$	$x > 3$	6.	$6x - 7 < 23$	$x < 5$
7.	$2x + 8 \geq 16$	$x \geq 4$	8.	$7x - 5 \leq 30$	$x \leq 5$
9.	$8x + 3 > 35$	$x > 4$	10.	$9x - 6 < 39$	$x < 5$
11.	$10x + 2 \geq 42$	$x \geq 4$	12.	$11x - 9 \leq 46$	$x \leq 5$
13.	$12x + 10 > 58$	$x > 4$	14.	$13x - 11 < 54$	$x < 5$
15.	$14x + 12 \geq 68$	$x \geq 4$	16.	$15x - 13 \leq 62$	$x \leq 5$

MASTER QUESTIONS

M1.	A number increased by 8 is greater than 15. Find the possible values of the number.	$x > 7$

M2. Twice a number decreased by 4 is at most 20. What is the maximum possible value of the number?

$x \leq 12$

M3. The product of 5 and a number, plus 3, is less than 38. Determine the range of values for the number.

$x < 7$