MULTI – STEP INEQUALITIES

Solve the following inequalities

One of them is done for you :

$$-6x - 4 \leq 2(x - 10)$$
$$-6x - 4 \leq 2x - 20$$
$$+6x \qquad +6x$$
$$-4 \leq 8x - 20$$
$$+20 \qquad +20$$
$$16 \leq 8x$$
$$\frac{16}{8} \leq \frac{8x}{8}$$
$$2 \leq x$$

$3(6x + 2) < 9$

$\frac{2x+1}{3} \geq 5$

$\frac{3x}{4} + 2x > 2$

$25 + \frac{2x}{3} \leq 35 - x$

$\frac{4x+11}{2} \geq 6$

$8(1 + 2x) < 32$

LIVEWORKSHEETS

$\frac{3x}{7} + x \leq 30$

$\frac{7x-4}{6} > 4$

$5(4x - 3) \geq 25$

$4(2x - 8) > 16$

$\frac{8x+14}{11} > 10$

$x + \frac{5x}{6} > 33$

$\frac{3(x-10)}{9} < 6$

$2(4x + 8) \geq 40$

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$10x + 6 \leq 8x - 12$

$15x + 35 \geq 7x - 21$

$7(3x + 10) < 19x$

$9x + 21 \geq 2x - 14$

$\frac{3x}{2} + 5x \leq 26$

$8(2x - 5) < 72$

LIVEWORKSHEETS

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