

# solving Linear Inequalities Hangman

<p><b>Directions:</b> Complete the number message. Choose a letter and solve the linear inequality. Write down the solution set of your choice. Check to see if the student matches the clues given. Add a body part if you solve the math.</p>		
<b>A</b> $6 > -\frac{2}{3}(7x + 2)$	<b>J</b> $-\frac{2}{3}(3 - 4x) + 8 > 18$	<b>S</b> $-2x - 5x + 3 < 10$
<b>B</b> $-\frac{1}{2}(x - 9) + 4 < -2$	<b>K</b> $-3(4 + 2x) < 18$	<b>T</b> $-2x + 12x - 4.5x - 4.5x$
<b>C</b> $-\frac{1}{4}x - 8 < \frac{3}{4}$	<b>L</b> $-2x + 12x - 4.5x - 4.5x$	<b>U</b> $2 - 3(x + 4) < 17$
<b>D</b> $-\frac{2}{3}(3 + 4x) + 8 < 18$	<b>M</b> $10 < -2x - 5x + 3$	<b>V</b> $\frac{2.5x - 4.8}{-2} + 3.2 < -8.7$
<b>E</b> $\frac{2.5x - 4.8}{-2} + 3.2 > -8.7$	<b>N</b> $-2 < -\frac{1}{2}(x - 9) + 4$	<b>W</b> $-\frac{2}{3}(3 + 4x) + 8 > 18$
<b>F</b> $7(2 - x) + 9 > 2$	<b>O</b> $-\frac{2}{3}(3 - 4x) + 8 < 18$	<b>X</b> $-3x + 4 < 5$
<b>G</b> $2 - 3(x + 4) > 17$	<b>P</b> $-\frac{1}{2}(3x - 9) + 4 > -2$	<b>Y</b> $-3(4 + 2x) > 18$
<b>H</b> $-\frac{1}{2}(3x - 9) + 4 < -2$	<b>Q</b> $-3x + 4 > 5$	<b>Z</b> $-\frac{1}{4}x - 8 > \frac{3}{4}$
<b>I</b> $-\frac{2}{3}(7x + 2) > 6$	<b>R</b> $7(2 - x) + 9 < 2$	