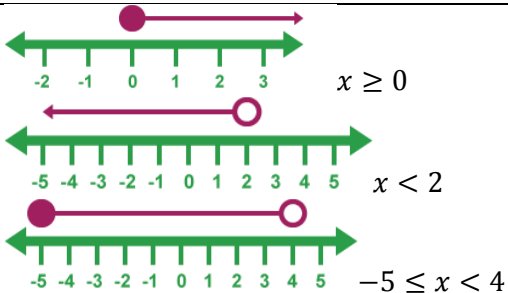


Inequality	<p>An inequality says that two values are <b>not equal</b>.</p> <p><math>a \neq b</math> means that a is not equal to b.</p>	<p><math>7 \neq 3</math></p> <p><math>x \neq 0</math></p>
Inequality symbols	<p><math>x &gt; 2</math> means <b>x is greater than 2</b></p> <p><math>x &lt; 3</math> means <b>x is less than 3</b></p> <p><math>x \geq 1</math> means <b>x is greater than or equal to 1</b></p> <p><math>x \leq 6</math> means <b>x is less than or equal to 6</b></p>	<p>State the integers that satisfy <math>-2 &lt; x \leq 4</math>.</p> <p>-1, 0, 1, 2, 3, 4</p>
Inequalities on a Number Line	<p>Inequalities can be shown on a number line.</p> <p><b>Open circles</b> are used for numbers that are <b>less than or greater than</b> (<math>&lt;</math> or <math>&gt;</math>)</p> <p><b>Closed circles</b> are used for numbers that are <b>less than or equal or greater than or equal</b> (<math>\leq</math> or <math>\geq</math>)</p>	 <p><math>x \geq 0</math></p> <p><math>x &lt; 2</math></p> <p><math>-5 \leq x &lt; 4</math></p>
Solve	<p>This works in exactly the same way as solving an equation. The only difference is that instead of finding one specific number, you find a range of numbers as your answer.</p> <p>To find the <b>answer</b>/value of something</p> <p><b>Use inverse operations</b> on both sides of the equation (balancing method) until you find the value for the letter.</p>	<p>Solve <math>2x - 3 &lt; 7</math></p> <p>Add 3 on both sides</p> <p><math>2x &lt; 10</math></p> <p>Divide by 2 on both sides</p> <p><math>x &lt; 5</math></p>

