

Lesson 4.1a Inequalities

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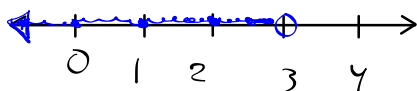
Inequality - a math sentence that compares expressions using the symbols $>$, $<$, \geq , \leq

$>$	$<$	\geq	\leq
<ul style="list-style-type: none">• is greater than• is more than	<ul style="list-style-type: none">• is less than• is fewer than	<ul style="list-style-type: none">• is greater than or equal to• is at least• is no less than	<ul style="list-style-type: none">• is less than or equal to• is at most• is no more than

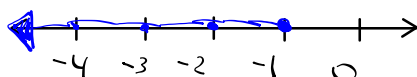
A number n is greater than or equal to -7.9

$$n \geq -7.9$$

Graphing Inequalities $x < 3$



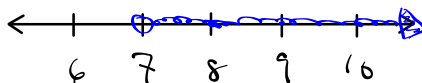
$$x \leq -1$$



$$x \geq 5$$



$$x > 7$$



Solution of an inequality - a value that makes the inequality true

Solution set - the set of all solutions of an inequality