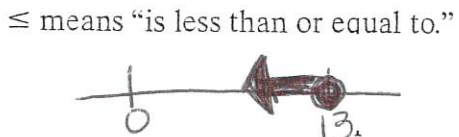
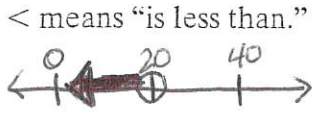


# GC Investigation 3: Inequalities

© DOMAIN: Expressions and Equations

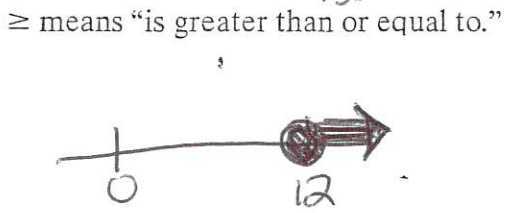
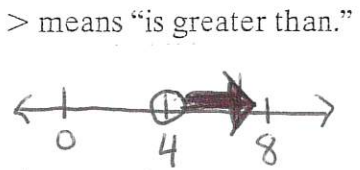
An **inequality** is a mathematical sentence that compares two quantities that are not equal. Use the following symbols to represent inequalities:

$x = \text{age of kids}$   
 $x < 20$



$x \leq 13$

$x > 4$



$x \geq 12$

$x \neq 18$



## Getting Ready for Problem 3.1

Like equations, you can write inequalities to represent a situation.

- How could you represent, *Lisa will spend less than \$25?*

$x = \text{\$ spent}$      $x < 25$



- How could you represent, *Rodney ran at least 30 miles last week?*

$x = \text{miles}$      $x \geq 30$



- How could you use a number line to show *greater than 2?*

