Activity 9 Assessment
Solving and Graphing Inequalities

Solving and Graphing for Inequalities

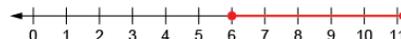| Recognizes inequality symbols and their meanings in various inequality equations.	Represents solutions by graphing on a number line and tests values to check solutions.	Verifies the solution by thinking of related equality and testing numbers.	Flexibly solves inequalities, then verifies and graphs the solutions.
$3m > 18$ $3m \geq 18$ "Each time, the unknown can be any number greater than 6. In the second equation, it could also be 6. There are many quantities that would work."	$25 > 5m$ "The unknown multiplied by 5 must be less than 25. I can count by groups of 5 to get to 25. So, the unknown is 1, 2, 3, or 4."	$3m \geq 18$ "I can use the number line to graph the solution. I know 3 × 6 = 18. So, the unknown can be any number equal to or greater than 6."	$5 > \frac{n}{4}$ "What number can I divide by 4 so that the answer is less than 5? I can rearrange the equation to find the unknown: 5 × 4 > n"

Observations/Documentation