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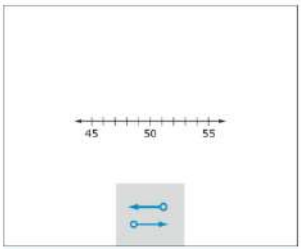
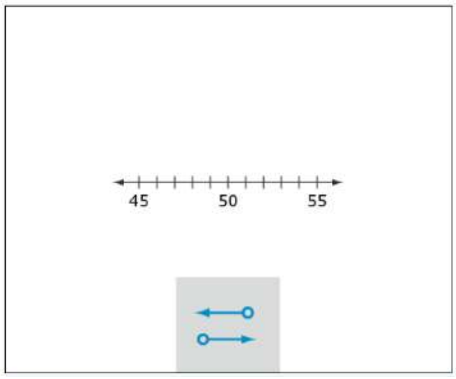
| Content Standard | ***MAFS.6.EE*** *Expressions and Equations*<br><br>***MAFS.6.EE.2*** *Reason about and solve one-variable equations and inequalities.*<br><br>***MAFS.6.EE.2.8*** Write an inequality of the form $x > c$ or $x < c$ to represent a constraint or condition in a real-world or mathematical problem. Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions; represent solutions of such inequalities on number line diagrams. |
| Assessment Limits | Numbers in items must be nonnegative rational numbers.<br>Context in real-world items should be continuous or close to continuous. |
| Calculator | No |
| Item Types | Equation Editor<br>GRID<br>Matching Item<br>Multiple Choice<br>Multiselect<br>Open Response |
| Context | Allowable |

| Sample Item | Item Type |
|---|---|
| Graph the inequality $x < 50$.<br>  | GRID |
| An airport charges an additional fee for a piece of luggage that weighs more than 50 pounds. Write an inequality that shows the weight Michael's suitcase can be, $x$, without him having to pay the extra fee. | Equation Editor |
| An airline charges an additional fee for luggage that exceeds the 50-pound weight limit.<br><br>Drag an arrow to the number line to graph the inequality that represents all luggage weights that require an additional fee.<br>  | GRID |