Content Standard	***MAFS.7.EE*** *Expressions and Equations* ***MAFS.7.EE.2*** *Solve real-life and mathematical problems using numerical and algebraic expressions and equations.* ***MAFS.7.EE.2.4*** Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities. ***MAFS.7.EE.2.4a*** Solve word problems leading to equations of the form $px + q = r$ and $p(x + q) = r$, where p, q, and r are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. *For example, the perimeter of a rectangle is* 54 *cm. Its length is* 6 *cm. What is its width?* ***MAFS.7.EE.2.4b*** Solve word problems leading to inequalities of the form $px + q > r$ or $px + q < r$, where p, q, and r are specific rational numbers. Graph the solution set of the inequality and interpret it in the context of the problem. *For example: As a salesperson, you are paid* $\$50$ *per week plus* $\$3$ *per sale. This week you want your pay to be at least* $\$100$*. Write an inequality for the number of sales you need to make, and describe the solutions.*
Assessment Limits	Numbers in items must be rational numbers. Inequalities must have context.
Calculator	Yes
Item Type	Equation Editor GRID Multiple Choice Multiselect Open Response
Context	Allowable

Sample Item	Item Type
The perimeter of a rectangular garden is 37.5 feet (ft). The width is x, and the length is 15 ft. What is the width, in feet, of the garden?	Equation Editor
A community is planning to build a rectangular garden. The width of the garden is $\frac{27}{4}$ feet (ft), and the perimeter of the garden is 37.5 ft. The community planners want to spread mulch on the entire garden. How many square feet of mulch will be needed?	Equation Editor

Sample Item	Item Type
	Equation Editor

At her job, Jessie earns $9.50 per hour. She also earns a $60 bonus every month.

Jessie needs to earn at least $460 every month.

Create an inequality that represents this situation, where *h* represents the number of hours that Jessie works in a month in order to earn at least $460.