Possible Solutions

Using the equation, 3x - 7 = 2, model the equation using a pictorial representation and then solve the equation.

Solution 1

Model and solve the equation 3x - 7 = 2.



Solution 2

Model and solve the equation 3x - 7 = 2.



3x - 7 = 2 Add the opposite value to both sides of equal sign

by 3

3x - 7 + 7 = 2 + 7	Simplify
3x = 9	Divide both sides
<u>3x</u> = <u>9</u>	

nplify

x = 3

Solution 3



Solution 4

Use manipulatives such as Algebra tiles to model the inequality to solve for the variable.

The model below represents an inequality.



What values of x make this inequality true?

Write the inequality that is modeled and then solve for x.



2x + 5 > 11 2x + 5 - 5 > 11 - 5 2x > 6 2x > 6 2 2x > 3