## Possible Solutions

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

## Solution 1

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


Solution 2

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

$3 x-7=2 \quad$ Add the opposite value to both sides of equal sign
$3 x-7+7=2+7 \quad$ Simplify
$3 x=9 \quad$ Divide both sides by 3

$$
\begin{aligned}
& \underline{3 x}=\underline{9} \\
& 3 \\
& x=3
\end{aligned} \quad \text { Simplify }
$$

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 .


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