

# Solving Equations With Brackets

When **solving equations with brackets**, start by expanding the brackets.

To solve an equation with brackets:

1. Expand the brackets using the grid method.
2. Model the equation on a balance scale.
3. Now use the inverse operations to isolate  $x$  on one side of the scale.
4. Check your answer by substituting the value of  $x$  back into the original equation.
5. State your final answer.

(Images were created using free virtual manipulatives available at [Polypad.com](https://Polypad.com).)

**Example:** Solve  $3(x - 1)$

	$x$	$-1$
$3$	$3x$	$-3$

