4-5

Lesson [redacted] → Rethinking Parenthesis Moves

Let's go!

$$3(x-2) = 2(x+1) - 5$$

$$3x - 6 = 2x + 2 - 5$$

$$3x - 6 = 2x - 3$$

$-2x \qquad -2x$

$$x - 6 = -3$$

$+6 \qquad +6$

$$x = 3$$

... but let's Re-Think fractions!

$$\frac{1}{3}(4x-2) = x+1$$

$$3\left(\frac{1}{3}(4x-2)\right) = 3(x+1)$$

one term

two terms

multiply by denominator!

$$4x-2 = 3x+3$$

$-3x \qquad -3x$

$$x-2 = 3$$

$+2 \qquad +2$

$$x = 5$$