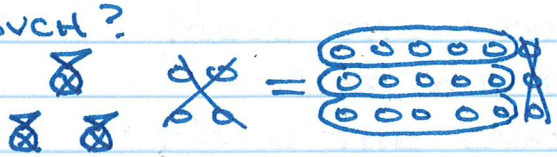
Solving 2-Step Equations

Each pouch holds the same unknown # of coins. How many coins are in 1 pouch?



$3x + 4 = 19$

$-4 \quad -4$

$\frac{3x}{3} = \frac{15}{3}$

$x = 5$

DO	UNDO
x 3	- 4 ✓
+ 4	÷ 3 ✓

Ex: $-9x + 1 = -80$

$-1 \quad -1$

$\frac{-9x}{-9} = \frac{-81}{-9}$

$x = 9$

DO	UNDO
x(-9)	- 1 ✓
+ 1	÷(-9) ✓

Ex: $-15 = -4m + 5$

$-5 \quad -5$

$\frac{-20}{-4} = \frac{-4m}{-4}$

$5 = m$

$m = 5$

DO	UNDO
x(-4)	- 5 ✓
+ 5	÷(-4) ✓

COEFFICIENT — CONSTANT

Q40: $8n + 7 = 31$

$-7 \quad -7$

$\frac{8n}{8} = \frac{24}{8}$

$n = 3$

DO	UNDO
x 8	- 7 ✓
+ 7	÷ 8 ✓

The 5-Step Solving Process

- Distribute
- Combine Like Terms
- Move the variable to 1 side of the equation
- Move the constant
- Move the coefficient