

2-Step Eqn w/ fractional coefficient

$$\boxed{\frac{2}{7}x} + 13 = 71$$

$$-13 \quad -13$$

Step 1
isolate the variable term

Results in

$$\frac{2}{7}x = 58$$

At least 3 ways to view Step 2 -- isolate the variable



way 1
visual

$$\frac{2}{7}x = 58$$

way 2
algebraic equation

$$\frac{7}{2} * \frac{2}{7}x = [58] * \frac{7}{2}$$

$$x = 203$$

way 3
Proportion

Solve by:
Cross Products (shown)
or
Common Multiplier/divisor

$$\frac{2x}{7} = \frac{58}{1}$$

$$2x = 7 * 58$$

$$2x = \frac{406}{2}$$

$$x = 203$$