



In an equation with variable terms on one side, you can combine like terms before using inverse operations and properties of equality to solve the equation.

$$0.8n + 0.6n = 42$$

$$1.4n = 42$$

Combine like terms.

$$\frac{1.4n}{1.4} = \frac{42}{1.4}$$

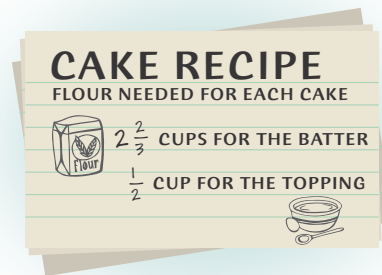
$$n = 30$$

Do You Understand?

- Essential Question** How do you solve equations that contain like terms?
- Look for Relationships** How do you recognize when an equation has like terms? © MP.7
- Make Sense and Persevere** In the equation $0.75s - \frac{5}{8}s = 44$, how do you combine the like terms? © MP.1

Do You Know How?

- Henry is following the recipe card to make a cake. He has 95 cups of flour. How many cakes can Henry make?



- A city has a population of 350,000. The population has decreased by 30% in the past ten years. What was the population of the city ten years ago?
- Solve the equation $-12.2z - 13.4z = -179.2$.

