

Lesson 4.4 Solving Equations: The Distributive Property

1. Copy
2. Simplify
3. Eliminate the constant
4. Simplify
5. Isolate the variable
6. Solve

Examples:

$$5y + 2(y - 3) = 92$$

$$24 = \frac{1}{4}(x - 8)$$

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

You sell medical equipment. You earn a \$30,000 salary, plus a bonus. Your bonus is $\frac{1}{30}$ of the amount by which your sales exceed \$500,000. How much must you sell to earn \$40,000.

Verbal Model:

Labels:

Algebraic Model: