

Lesson 61: Problem Solving

Purpose of lesson: You will learn that algebra is a tool to solve math problems.



A good reason to learn about algebra and equations is to be able to use them to solve problems.

Let's take a look!

Directions: Use the **equation** and information in the box below to solve the following problem.

$$c = 5b + g$$

Let:

c = cost

b = bunches of flowers

g = greeting card



- a) If one bunch of flowers costs \$6.00 and a greeting card \$1.50, how much will 5 bunches of flowers and 1 greeting card cost?

This is how you solve it:

- 1) $c = 5b + g$ Write the original equation.
- 2) $c = 5(\$6.00) + \1.50substitute the numbers for the letters you know
- 3) $c = 5$ (times) $\$6.00 + \1.50now do the math operations
- 4) $c = \$30.00 + \1.50
- 5) $c = \underline{\$31.50}$...**The cost of 5 bunches of flowers and 1 greeting card is \$31.50.**

Try solving these problems using equations.

Take Lesson 61 Quiz 1