

# Problem-Solving Strategy:

## Guess and Check

**Problem** Trinity is thinking of two numbers. The product of the two numbers is 36. The sum of the two numbers is 15. What are the two numbers?

**UNDERSTAND**

1. What do you know?

\_\_\_\_\_

**PLAN**

2. What strategy can you use to help you solve the problem? Explain how.

\_\_\_\_\_

\_\_\_\_\_

**SOLVE**

3. Use the table to make guesses and check your guesses. If you need more workspace, use a separate sheet of paper.

	First Guess		Second Guess		Third Guess	
<b>Numbers</b>	_____	_____	_____	_____	_____	_____
<b>Product</b>	_____ × _____		_____ × _____		_____ × _____	
<b>Sum</b>	_____ + _____		_____ + _____		_____ + _____	

4. What two numbers is Trinity thinking of?

\_\_\_\_\_

**LOOK BACK**

5. How did you choose which numbers to use as your first guess?

\_\_\_\_\_