

# Routine and Non-routine involving basic Operations of Integers

**Routine problems** have quick solutions, while **non-routine problems** are more complicated.

Unlike routine problems, **non-routine problems** require higher-level thinking, creativity, and critical thinking. These problems can often be solved in different ways.

### **Example 1:**

Sarah had a bank balance of -₱400 because she overspent last month. This month, she deposited ₱1000 into her account. What is her new balance?

### **Solution:**

$$-\text{₱}400 + \text{₱}1000 = \text{₱}600$$

**She deposits, which means she adds some money to her bank account.**

### **Example 2:**

Miko had 80 apples in her basket. She gave 10 apples to her friend. How many apples does she have left?

### **Solution:**

$$80 - 10 = 70$$

**Because she gave 10 apples to her friend, she now has 70 apples.**

### **Example 3:**

A farmer has 9 baskets, and each basket holds 8 apples.  
How many apples does the farmer have in total?

**Solution:**

$$9 \times 8 = 72$$

**Every basket has 8 apples in it.**

### **Example 4:**

A teacher has 48 pencils and wants to distribute them equally among 6 students. How many pencils will each student receive?

**Solution:**

$$48 \div 6 = 8$$

**In 8, all 6 students have equally divided pencils.**