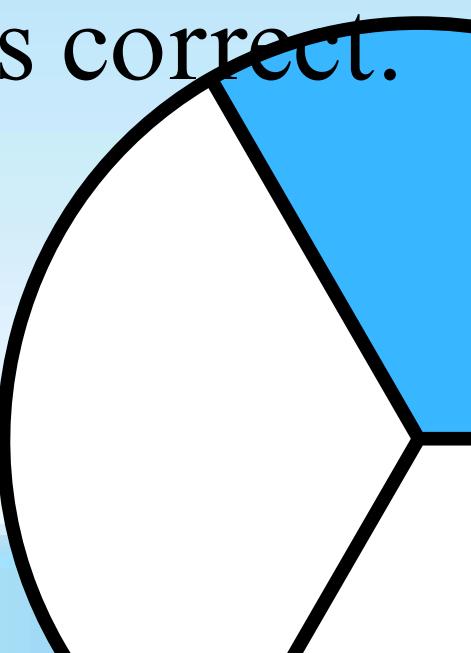
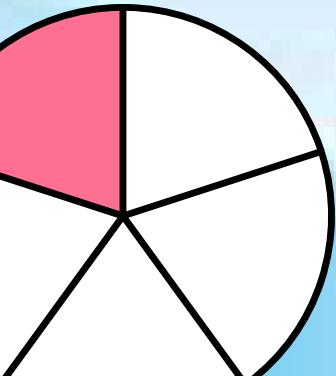
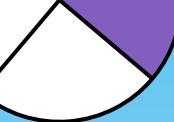


Routine and Non-routine in Addition and Subtraction of Decimal

Solving problems with decimals is similar to solving the applied problems from the previous chapter.

First, you need to understand the problem and decide which operation(s) to use.



To solve word problems, follow these four steps:

1. **Understand:** What is asked, and what are the given facts?
2. **Plan:** What operation is to be used, and what is the number sentence?
3. **Solve:** Find the answer to the problem.
4. **Check:** Look back and check if the answer is correct.

Take note:

You may also draw an illustration to help you visualize your plan.

Example Problem: In a sale, a microwave costs ₱2,999.99.

Its price has been reduced by ₱500.00. What was its price before the sale?

Example Problem: In a sale, a microwave costs ₱2,999.99. Its price has been reduced by ₱500.00. What was its price before the sale?

1. Understand

a. What are the given facts?

- Sale cost ₱2,999.99
- Price has been reduced by ₱500.00

b. What is asked?

- The price of the microwave before the sale.

Example Problem: In a sale, a microwave costs ₱2,999.99. Its price has been reduced by ₱500.00. What was its price before the sale?

2. Plan

- a. What is the operation to be used?
 - Addition
- b. Number sentence?
 - $2,999.99 + 500.00 = N$

Example Problem: In a sale, a microwave costs ₱2,999.99. Its price has been reduced by ₱500.00. What was its price before the sale?

3. Solve the problem

$$\begin{array}{r} - \quad 2,999.99 \\ + \quad 500.00 \\ \hline 3,499.99 \end{array}$$

**The price of the microwave before the sale
is ₱3499.99.**

Example Problem: In a sale, a microwave costs ₱2,999.99. Its price has been reduced by ₱500.00. What was its price before the sale?

4. Check

$$\begin{array}{r} - \quad 3,499.99 \\ + \quad 500.00 \\ \hline 2,999.99 \end{array}$$

The price of the microwave during the sale
is ₱2,999.99.