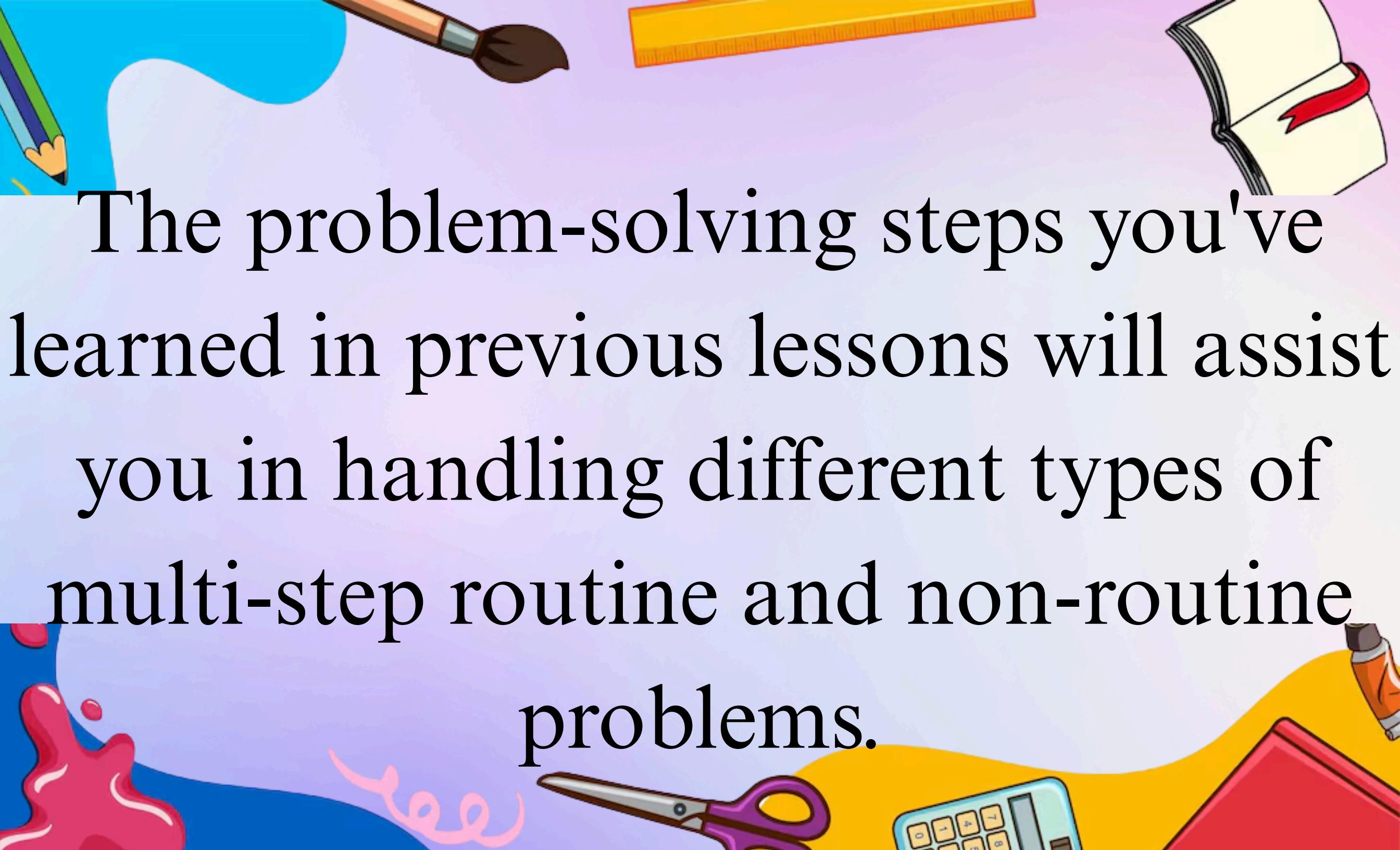


**ROUTINE AND NON-ROUTINE
INVOLVING ANY OF THE
OPERATIONS INCLUDING ANY
DECIMALS, WHOLE NUMBERS,
AND MONEY.**



The problem-solving steps you've learned in previous lessons will assist you in handling different types of multi-step routine and non-routine problems.

Addition

Example:

Rica has ₱50 in her wallet. She finds another ₱15.75 in her coat pocket.

How much money does she have now?

Addition

Example: Rica has ₱50 in her wallet. She finds another ₱15.75 in her coat pocket. How much money does she have now?

1. What are the given facts?

- Rica has ₱50.00 in her wallet.
- She found ₱15.75 in her coat pocket.

2. What is asked?

- The total amount Rica has.

Addition

Example: Rica has ₱50 in her wallet. She finds another ₱15.75 in her coat pocket. How much money does she have now?

3. What is the operation to be used and the number sentence?

- Operation: Addition.
- Number sentence: $50.00 + 15.75 = n$

Addition

Example: Rica has ₦50 in her wallet. She finds another ₦15.75 in her coat pocket. How much money does she have now?

4. Solve the problem

$$- 50.00 + 15.75 = 65.75$$

Answer: The total amount Rica has is ₦65.75.

Addition

Example: Rica has ₱50 in her wallet. She finds another ₱15.75 in her coat pocket. How much money does she have now?

5. Check

$$- 65.75 - 15.75 = 50$$

Therefore, if she didn't find ₱15.75 in her coat pocket she only had ₱50.00.

Subtraction

Example:

Jayvin bought a coffee for ₱145.00.

He paid with a ₱200.00 bill. How

much change did he get?

Subtraction

Example: Jayvin bought a coffee for ₱145.00. He paid with a ₱200.00 bill. How much change did he get?

1. What are the given facts?

- Jayvin bought a coffee for ₱145.00.
- He paid with a ₱200.00 bill.

2. What is asked?

- The total amount of Jayvin's change.

Subtraction

Example: Jayvin bought a coffee for ₱145.00. He paid with a ₱200.00 bill. How much change did he get?

3. What is the operation to be used and the number sentence?

- Operation: Subtraction.
- Number sentence: $200.00 - 145.00 = n$

Subtraction

Example: Jayvin bought a coffee for ₱145.00. He paid with a ₱200.00 bill. How much change did he get?

4. Solve the problem

$$- 200.00 - 145.00 = 55$$

Answer: The total amount Blake's change is ₱55.

Subtraction

Example: Jayvin bought a coffee for ₱145.00. He paid with a ₱200.00 bill. How much change did he get?

5. Check

$$- 145.00 + 55.00 = 200$$

Therefore, Jayvin's payment is ₱200.00.

Multiplication

Example:

Blake bought 3 books. Each book costs ₱175.75 . How much did he spend in total?

Multiplication

Example: Blake bought 3 books. Each book costs ₱175.75 . How much did he spend in total?

1. What are the given facts?

- Blake bought 3 books.
- Each book costs ₱175.75

2. What is asked?

- The total amount Blake spent in buying 3 books.

Multiplication

Example: Blake bought 3 books. Each book costs ₱175.75 . How much did he spend in total?

3. What is the operation to be used and the number sentence?

- Operation: Multiplication.
- Number sentence: $175.75 \times 3 = n$

Multiplication

Example: Blake bought 3 books. Each book costs ₱175.75 . How much did he spend in total?

4. Solve the problem

$$- 175.75 \times 3 = 527.25$$

Answer: The total amount Blake spent in buying 3 books is ₱575.25.

Multiplication

Example: Blake bought 3 books. Each book costs ₱175.75 . How much did he spend in total?

5. Check

$$- 527.25 \div 3 = 175.75$$

Therefore, each book costs ₱175.75.

Division

Example:

Sarah has ₦66.00 and wants to buy notebooks that each cost ₦2.75. How many notebooks can she buy with her money?

Division

Example: Sarah has ₦66.00 and wants to buy notebooks that each cost ₦2.75. How many notebooks can she buy with her money?

1. What are the given facts?

- Sarah has ₦66.00.
- Each notebook costs ₦2.75

2. What is asked?

- The number of notebooks Sarah can buy.

Division

Example: Sarah has ₦66.00 and wants to buy notebooks that each cost ₦2.75. How many notebooks can she buy with her money?

3. What is the operation to be used and the number sentence?

- Operation: Division.
- Number sentence: $66.00 \div 2.75 = N$

Division

Example: Sarah has ₦66.00 and wants to buy notebooks that each cost ₦2.75. How many notebooks can she buy with her money?

4. Solve the problem

$$- 66.00 \div 2.75 = 24$$

Answer: The total notebooks Sarah can buy with her ₦66.00 money is 24 notebooks.

Division

Example: Sarah has ₱66.00 and wants to buy notebooks that each cost ₱2.75. How many notebooks can she buy with her money?

5. Check

$$- 24 \times 2.75 = 66.00$$

Therefore, ₱66.00 can buy 24 total notebooks.