

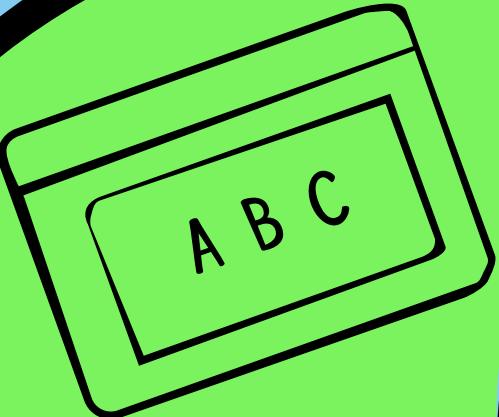
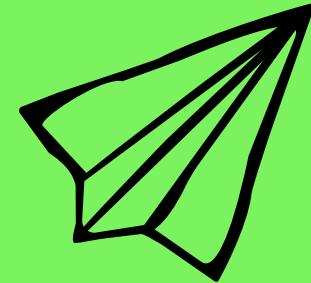
Let's analyze and reflect.

As a Lasallian, what simple actions can you take at home, school, or in your community to reduce waste and help those people in need?



Did you know that through your **Performance Task** output, you can help reduce waste, prevent flooding in your community, and help people in need at the same time?

Integrated Performance Task with Science for the 1st Trimester





Performance Standard

The learner is able to apply knowledge of the operations (addition, subtraction, and multiplication) in solving real-life problems involving whole numbers, using appropriate strategies and tools.

Scenario

As a Responsible Student Volunteer, your role is to collect recyclables like bottles, papers, and cans for two weeks. You will use addition, subtraction, and multiplication, to track your collection. You can ask the help of an adult to help you bring and sell the items to a junk shop. After selling the items, you will donate the money to the Kasiyana which will help a lot of people in need.

Learn more. Be more.





Note:

If you cannot join in selling the recyclable materials at the junk shop, that's okay.

What's important is that you are in the picture while sorting the recyclables in your home.

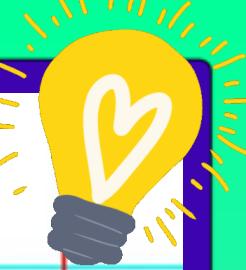
Scenario

The goal is to collect less in Week 2, which shows that you are using fewer things that create waste. To help with this, you will make a simple action plan to reduce the use of plastic and paper at home.

Learn more. Be more.



Sustainable Development Goals



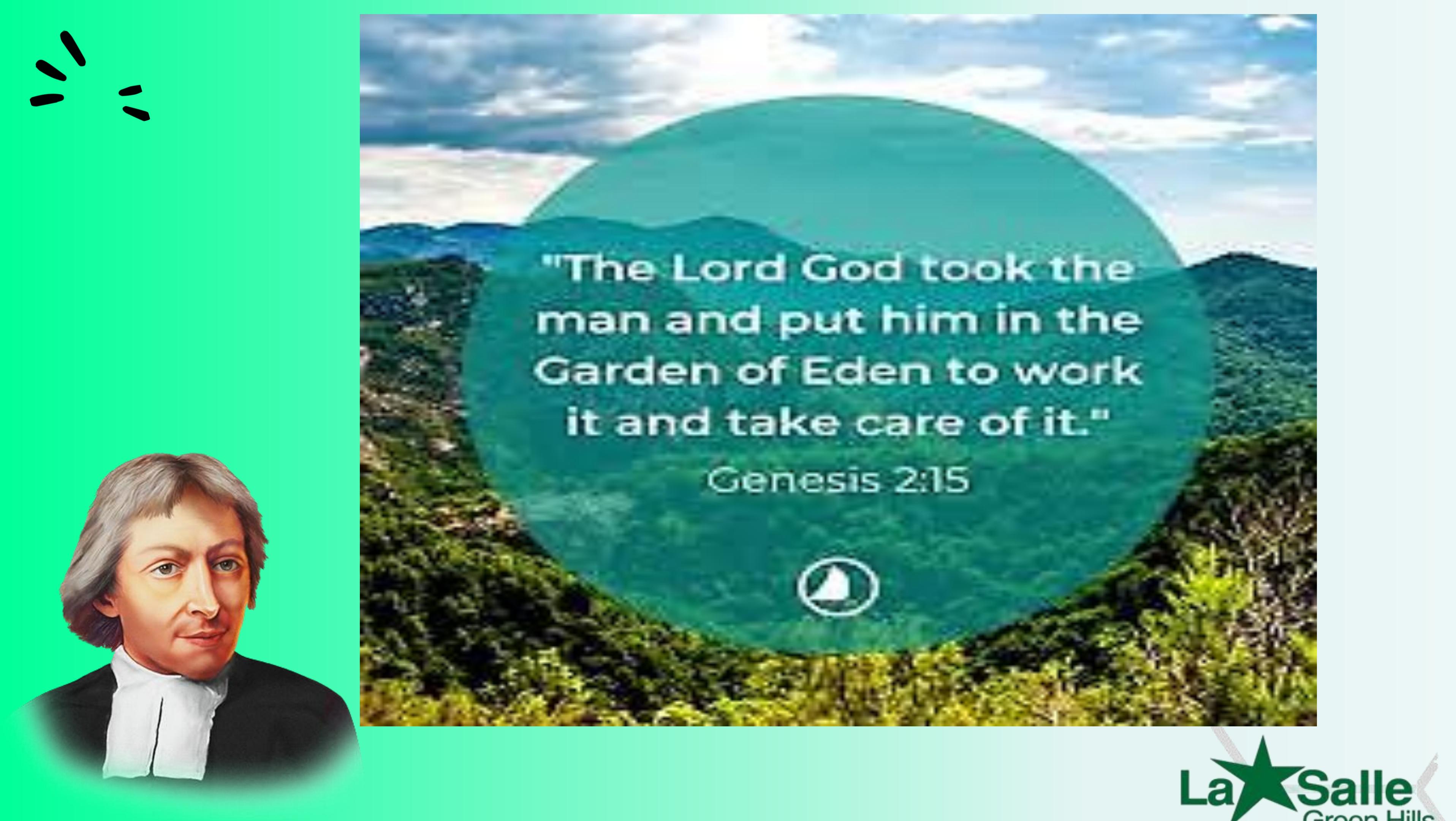
SDG 1: No Poverty- By donating the money from selling recyclables to Kasiyana, you help support families in need.

SDG 12 – Responsible Consumption and Production:
Managing waste properly is part of reducing pollution and promoting sustainability.

SDG 13 – Climate Action: Reducing waste helps protect the environment and fight climate change.



Now that we understand our performance task to reduce waste and help those in need, let us reflect on how our actions align with God's teachings. The Bible reminds us of our responsibility to care for creation and serve others, guiding us to live out these values in meaningful ways.



"The Lord God took the man and put him in the Garden of Eden to work it and take care of it."

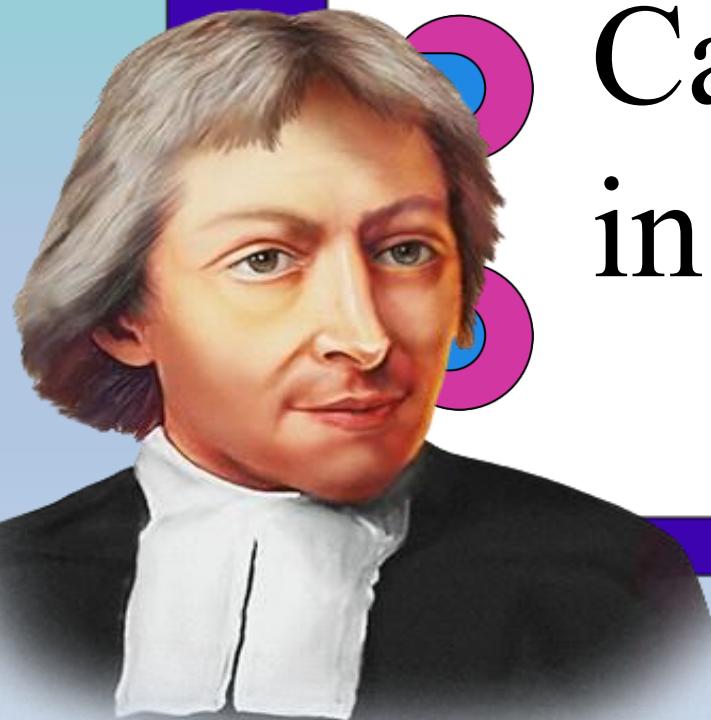
Genesis 2:15



Valuing Statement



Taking care of the environment and helping those in need are both ways we show love and faith. By reducing waste and recycling, we protect God's creation. By donating the money from recyclables to Kasiyana, we help families who need support. Caring for the Earth and caring for people go hand in hand.

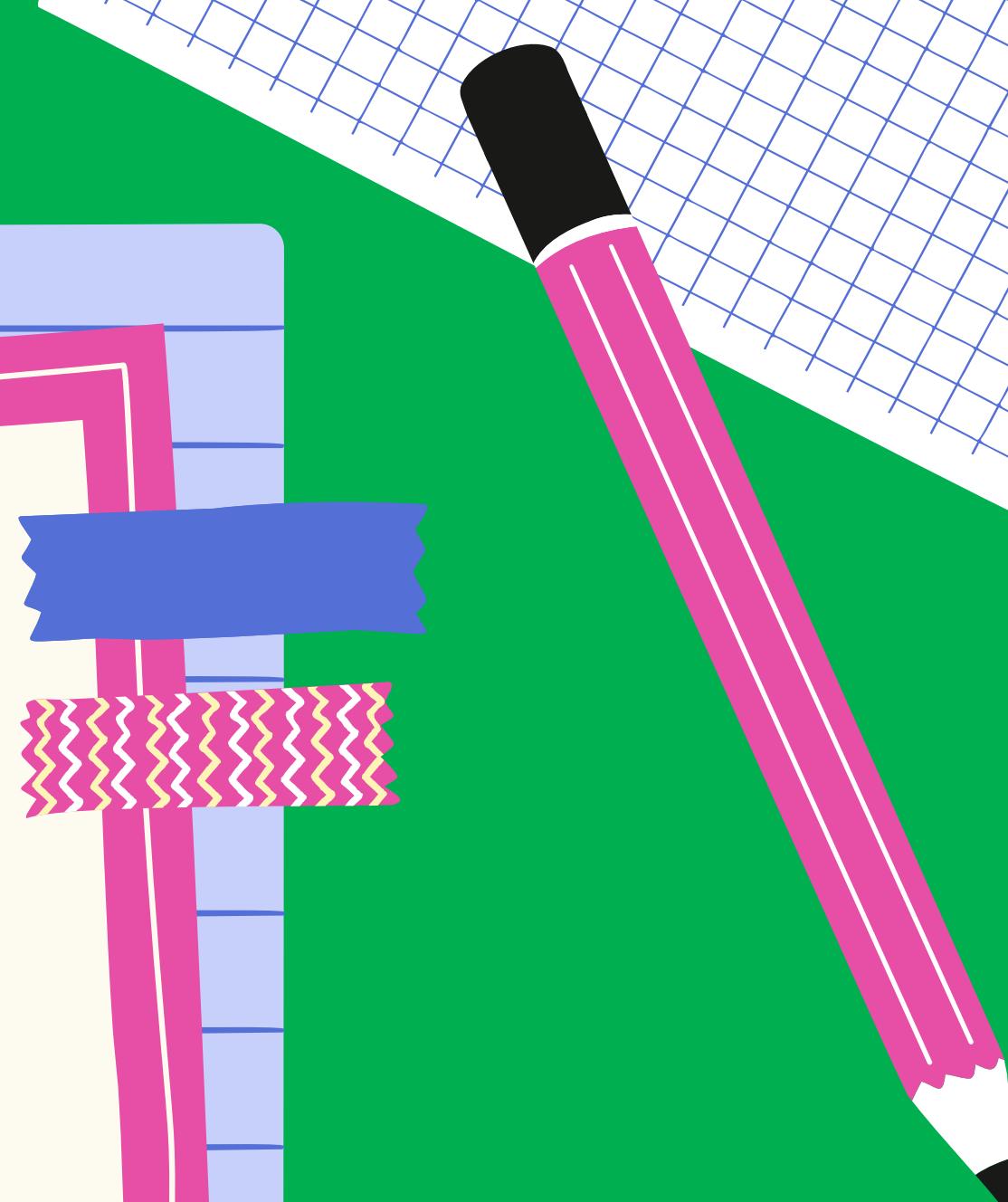




PERFORMANCE TASKS

1. **Scaffolding Activity 1 – 10 points**
2. **Scaffolding Activity 2 – 10 points**
3. **Integrated Performance Task – 30 points**

Scaffolding Activity 1





Note: the collection of recyclable materials started last August 7, 2025. The REMINDER was posted last August 6, 2025.

Week 1 : Kasiyana donation: August 27, 2025

Week 2 : Kasiyana donation: September 3, 2025



“ TABLE PAGE (Scaffolding 1)

1. The table contains 4 columns, namely (1) the week number, (2) number of plastic bottles per piece, (3) number cans per piece (4) number of paper per kilo.



2. Documentations:

Take a picture of you and your family members (1) segregating the recyclables, (2) selling the recyclables at the junk shop, and (3) the receipt from the junk shop.

Deadline: **Cycle 7, Day 2**



GUIDELINES:

1. Math Scaffolding Activity 1 - Addition, Subtraction and Multiplication of Whole Numbers Application

- You will complete a four-column table (week number; bottles per piece/kilo; cans per piece/kilo; paper per kilo) by using the three operations.
- **Addition** - to find the sum of total number of collected recyclable materials such as plastic bottles, tin cans and papers, and total earnings
- **Subtraction** - to find the difference between the two weeks
- **Multiplication** - to find the product of amount per kilo of recyclable materials and the number of kilograms collected

Scaffolding

Activity 1

Sample Template



Copy the table as draft of your Scaffolding Activity 1

Collect recyclable materials from your waste and complete the table below:

Week	Plastic Bottles (kilogram)	Cans (kilogram)	Paper (kilogram)	Total Collected
1				
2				



Sample Table

Collect recyclable materials from your waste and complete the table below:

Week	Plastic Bottles (kilogram)	Cans (kilogram)	Paper (kilogram)	Total Collected
1	4kg.	4kg.	2kg.	10kg.
2	3kg.	2kg.	1kg.	6kg.

What is the total number in kilograms of your collected recyclable materials in each week?

Solution:

Week 1: $4\text{kg.} + 4\text{kg.} + 2\text{kg.} = 10\text{kg.}$

Week 2: $3\text{kg.} + 2\text{kg.} + 1\text{kg.} = 6\text{kg.}$

How much is your total earnings from the sold recyclable materials in Week 1?

Plastic bottles - ₦14/kg

Cans- ₦50/kg

Paper- ₦10/kg

Show your solution here:



What is the difference between the number of recyclable materials in kilograms from Week 1 to Week 2?

Solution:

$$\begin{array}{r} 10\text{kg} \\ - \underline{6\text{kg}} \\ 4\text{kg.} \end{array}$$

How much is your total earnings from the sold recyclable materials in Week 2?

Plastic bottles - ₦14/kg

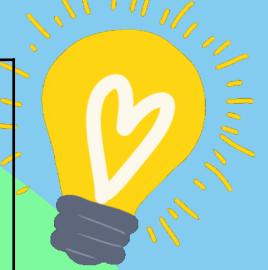
Cans- ₦50/kg

Paper- ₦10/kg

Show your solution here:

How much do you donate in the first week? _____

How much do you donate in the second week? _____



Collect recyclable materials from your waste and complete the table below:

Week	Plastic Bottles (25 pieces of 1L ≈ 1kg)	Cans (72 pieces ≈ 1kg)	Paper (kilogram)	Total Collected
1				
2				

What is the total number in kilograms of your collected recyclable materials in each week?
Solution:

What is the difference between the number of recyclable materials in kilograms from Week 1 to Week 2?
Solution:

How much is your total earnings from the sold recyclable materials in Week 1?
Solution:

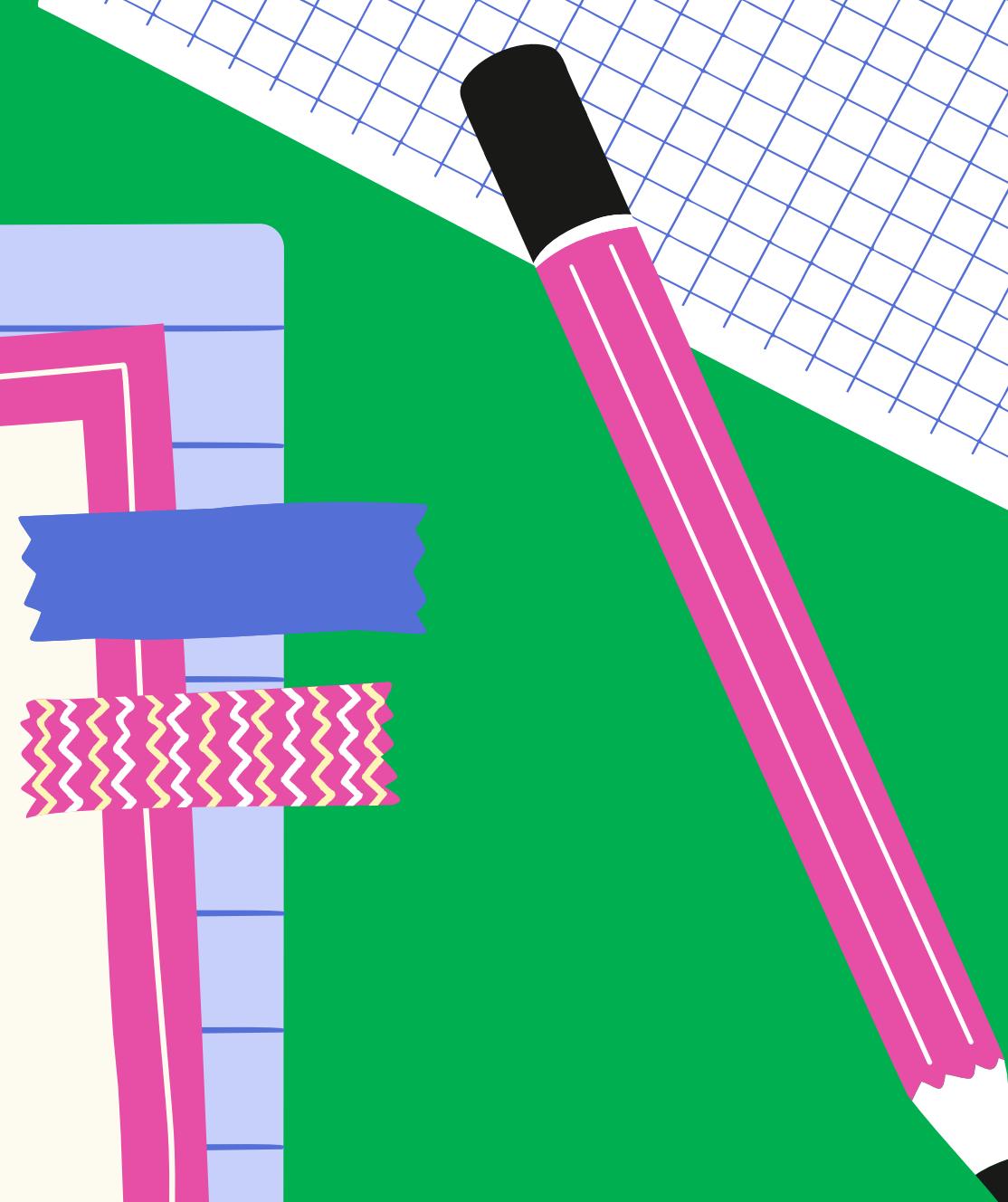
How much is your total earnings from the sold recyclable materials in Week 2?
Solution:

How much do you donate in the first week? _____

How much do you donate in the second week? _____



Scaffolding Activity 2





ACTION PLAN and REFLECTION PAGE

(Scaffolding 2)

Write-up: action plan and reflection about the given performance task. (minimum of 5 sentences)

Deadline: **Cycle 8, Day 1**



GUIDELINES:

Math Scaffolding Activity 2 - Solving Problem Involving Addition, Subtraction, and Multiplication of Whole Numbers:

- Valuing - You will create an action plan and answer the guide questions for reflection about the importance of these operations to solve real-life problems, especially about waste reduction.

Scaffolding

Activity 2 Sample

Template



PART 2: ACTION PLAN AND REFLECTION JOURNAL - Read and understand each question carefully.
Answer in complete sentences.

- 1. PREDICTION:** What will happen if people continue to improperly dispose and waste increase in number? Make a prediction.

- 2. RECOMMENDATION:** How can we minimize waste and solve pollution? Suggest 3 specific ways.

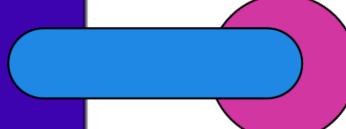
3. CONCLUSION & REFLECTION

JOURNAL Guide Questions:

- How did you use math and science skills in real life to solve problems in this performance task?
- What actions did you and your family take to reduce your waste in Week 2?
- Why do you think reducing waste is more important than just collecting recyclables?
- How did it feel to help others and save the environment?

A graphic of a spiral-bound notebook with lined pages, representing a journal. The notebook has a spiral binding on the left side and ten horizontal lines for writing on each page.

 ACTION PLAN AND REFLECTION JOURNAL - Read and understand each question carefully. Answer in complete sentences.

 PREDICTION: What will happen if people continue to improperly dispose and waste increase in number? Make a prediction.

 RECOMMENDATION: How can we minimize waste and solve pollution? Suggest 3 specific ways.

Guide Questions:

1. How did you use math and science skills in real life to solve problems in this performance task?
2. What actions did you and your family take to reduce your waste in Week 2?
3. Why do you think reducing waste is more important than just collecting recyclables?
4. How did it feel to help others and save the environment?

Deadline of Scaffolded Activities and Final PT

Scaffolded Activity 1 – Cycle 7, Day 2 (September 3, 2025)

Scaffolded Activity 2 – Cycle 8, Day 1 (September 9, 2025)

Final IPT -
Cycle 9, Day 1 (September 16, 2025)

Rubrics

CRITERIA	10	8	6	5	My Score
Mathematical Accuracy	100% of the required information were shown	90% of the required information were shown	75% of the required information were shown	50% of the required information were shown	
Content and Completeness	5	4	3	2	
	100% of the required information were shown	90% of the required information were shown	75% of the required information were shown	50% of the required information were shown	
Picture Documentations	Photos are clear, well-composed, and fully relevant. All key elements are documented. Captions or labels are present and informative..	Photos are mostly clear and relevant with minor flaws. Most required elements are shown. Captions or labels are mostly accurate.	Some photos are unclear, incomplete, or not fully relevant. Several key elements are missing or unlabeled.	Photos are poor in quality, off-topic, or missing. Documentation lacks clarity and context. Captions are missing or inaccurate.	
Action Plan	All 3 ways to reduce waste are clear, practical, and useful.	All 3 ways are mostly clear, with some details missing.	Only 1 or 2 ways are clear, or they aren't practical	The ways to reduce waste are unclear or missing.	
Reflection	Complete, thoughtful, and honest reflection; explained learning, feelings, and changes well.	Good reflection with some detail and effort.	Short reflection with little explanation.	Incomplete or unclear reflection.	
Total Score					/ 30



THANK
YOU

