

MATHEMATICS

Quarter 3 - Module 9

Distinguish Even and Odd Numbers using Division by 2



MATHEMATICS - Grade 2
Quarter 3 - Module 9 Distinguish Even and Odd Numbers using Division by 2
Self-Learning Module (SLM)
MATATAG Curriculum
First Edition, 2025

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Printed in the Philippines by
Schools Division Office of Tacurong City

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Introductory Message

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are clearly stated for you to understand each lesson.

Each SLM is composed of different parts. Each part shall guide you step-by-step as you discover and understand the lesson prepared for you.

A Pre-test is provided to measure your prior knowledge on lessons in each SLM. This will tell if you need to proceed on completing this module, or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teachers are also provided to the facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and tests. Read carefully the instructions before performing each task.

If you have any questions in using this SLM or any difficulty in doing the tasks in this module, do not hesitate to consult your teachers or facilitator.

Thank you.

For the learner

Welcome to the Mathematics - Grade 2 Self-Learning Module (SLM) on Distinguish even and odd numbers using division by 2.

In this learning resource, you will have the opportunity to enjoy and successfully achieve relevant competencies at your own pace.

This module offers fun and meaningful opportunities for both guided and independent learning. You will engage with the material and become an active participant in your learning journey.

This module has the following parts and corresponding icons:



What I Need to Know

This gives you an idea of the skills or competencies you are expected to learn in the module.



What I Know

This part includes an activity that aims to check what you already know about the lesson to take. If you get all the answers correctly, you may decide to skip this part.



What's In

This is a brief drill or review to help you link the current lesson with the previous one.



What's New

In this portion, the new lesson is introduced to you in various ways such as through a story, a song, a poem, a problem opener, an activity or a situation.



What is It

This section provides a brief discussion of the lesson. This aims to help you discover and understand new concepts and skills.



What's More

This comprises activities for independent practice to concretize your understanding and skills about the topic. You may check the answers to the exercises using the Answer Key at the end of the module.

**What I Have Learned**

This includes questions or blank sentence/ paragraph to be filled in to process what you learned from the lesson.

**What I Can Do**

This section provides an activity which will help you transfer your new knowledge or skill into real life situations or events.

**Assessment**

This is a task which aims to evaluate your level of mastery in achieving the learning competency.

**Additional Activities**

In this portion, another activity is given to you to enrich your knowledge or skill of the lesson learned. It also ensures retention of learned concepts.

Answer Key

This contains answers to all activities in the module.

At the end of this module, you will also find:

References

This is a list of all sources used in developing this module.

The following are some reminders in using this module:

1. Use the module with care. Avoid unnecessary mark/s on any part of the module. Use a separate sheet of paper in answering the exercises.
2. Answer *What I Know* before moving on to the other activities included in the module.
3. Carefully read the instructions before doing each task.
4. Observe honesty and integrity in doing the tasks and in checking your answers.
5. Finish the task at hand before proceeding to the next.
6. Return this module to your teacher/facilitator once you are through with it.

If you encounter any difficulty in doing the tasks in this module, consult your teacher or facilitator. Always bear in mind that you are not alone. We hope that through this material, you will experience meaningful learning and gain a deep understanding of the relevant competencies.

For the facilitator

Welcome to the Mathematics - Grade 2 Self-Learning Module on Distinguish even and odd numbers using division by 2!

The Curriculum Implementation Division (CID) through the Learning Resource Management Section (LRMS) launched this module in cooperation with the Division's Teacher Developers, Learning Resource Evaluators (LREs), Information and Technology Officer, and subject matter experts in Mathematics and English. This has been especially developed, quality-assured, and validated to enable you to help the learners overcome their educational obstacles—personal, social, and economic—while meeting the standards outlined in the MATATAG Curriculum.

This learning resource hopes to engage the learners in guided and independent learning activities. It further aims to help them acquire the needed 21st century skills while taking into consideration their needs and circumstances.

As a facilitator, you are expected to orient the learners on how to use this module. You also need to keep track of their progress while allowing them to manage their learning. In addition, you are enjoined to encourage and assist the learners as they do the tasks contained in the module.

MATHEMATICS

Quarter 3 - Module 9
Distinguish Even and Odd Numbers
using Division by 2



What I Need to Know

The purpose of creating and crafting this self-learning module is to help you learn more effectively. It is made to help you comprehend and easily distinguish even and odd numbers using division by 2. The activities in this module are designed to provide you with meaningful activities that will help reinforce your understanding of even and odd numbers. After going through this lesson, you are expected to:

Learning Objective:

- Distinguish even and odd numbers using division by 2.

Lesson 1 - Distinguish Even and Odd Numbers using Division by 2



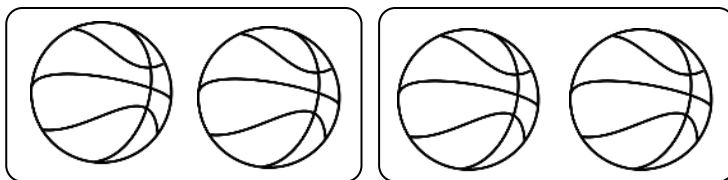
What I Know

Hello, awesome math explorers! Before we go further in this module, I would like you to take this activity to assess your prior knowledge. Let's start and learn.

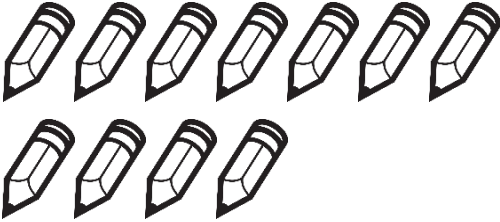
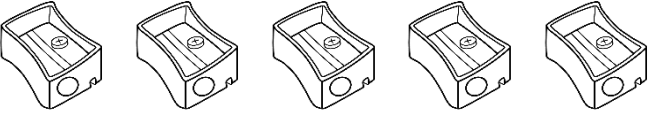
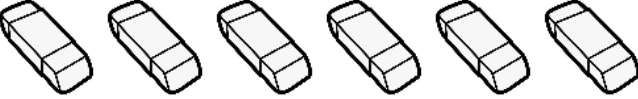
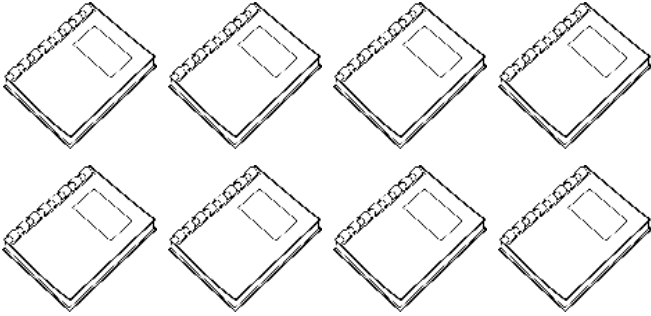

Activity 1- Even or Odd: Divide and Draw!

Directions: Divide the given number of objects by two (2) in each set. Draw a (☆) if it is **even** and (♥) if it is **odd**. Write your answer in your answer sheet.

Example:



4 balls

Objects	Even (☆) or Odd (♡)
<p>1. </p> <p>11 pencils</p>	
<p>2. </p> <p>5 sharpeners</p>	
<p>3. </p> <p>6 erasers</p>	
<p>4. </p> <p>8 notebooks</p>	
<p>5. </p> <p>3 scissors</p>	




What's In

An **even** number is any number that divides by 2 without leaving a remainder. A number that have a remainder of 1 when divided by 2 are **odd numbers**.



This module will help you know how to distinguish **even** and **odd** numbers using division by 2.

Activity 2 - Smiley Hunt: Even or Odd Challenge!











Great job! Now, let's go on a Smiley Hunt and find out if the numbers we see are even or odd.

Directions: Complete the table. Determine the given number if it is even or odd number. Color the smiley  **yellow** if it is **even** and **red** if it is **odd**. Write your answer in your answer sheet.

Example:

Number	$\div 2$	Remainder	Even	Odd
15	7	1		

Now, it is your turn to answer the activity. Take your time and enjoy.

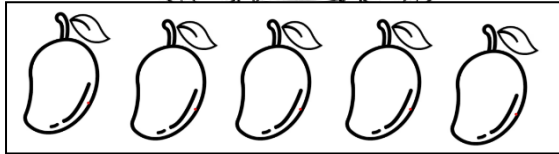
Number	$\div 2$	Remainder	Even	Odd
1. 6				
2. 7				
3. 9				
4. 10				
5. 12				



What's New

Today, let's solve a fun problem together! Remember, when we share things equally, we divide them. Let's find out how to do it by solving this problem.

Linda picked 10 mangoes on their farm. She wants to share it equally with her 2 friends. How many mangoes does each friend get?



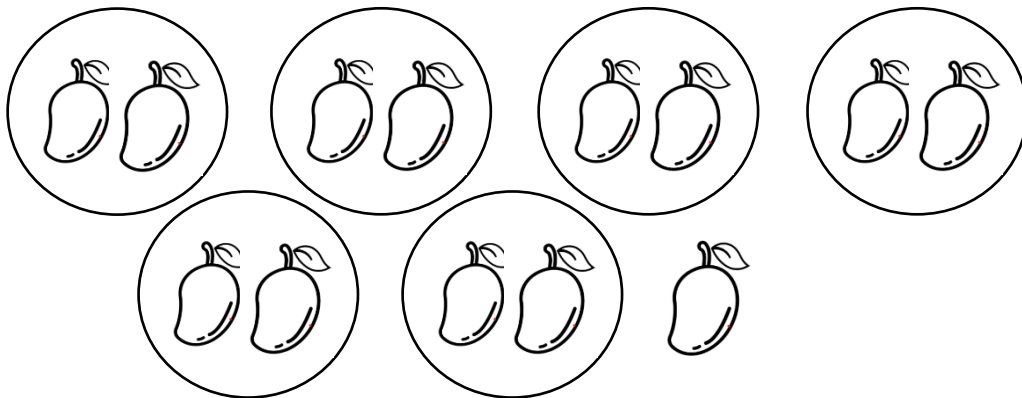
What is the division sentence in the problem?

$$10 \div 2 = 5$$

What kind of number is 10? even or odd number?

The number **10** is an even number.

If she picked 13 mangoes, how many mangoes does each friend get?



What is the division sentence in the problem?

$$13 \div 2 = 6 \text{ remainder } 1$$

What kind of number is 13? Even or odd number?

The number **13** is an odd number.

Look at the following examples:

	$\div 2$	Remainder
23 mangoes	11	1
9 rambutan	4	1
11 santol	5	1
16 guavas	8	0
10 pineapples	5	0

What did you notice about the remainder when even numbers are divided by 2?

The remainder is always 0.

What did you notice about the remainder when odd numbers are divided by 2?

The remainder is always 1.



What is It

An **even number** is a number that can be divided exactly by two without remainder. An **odd number** is a number that cannot be divided exactly by two and has a remainder of one (1).

The easiest way to identify whether a number is odd or even is to look at the last digit of a given number.

The numbers 0, 2, 4, 6, and 8 are even. The numbers 1, 3, 5, 7, and 9 are odd.



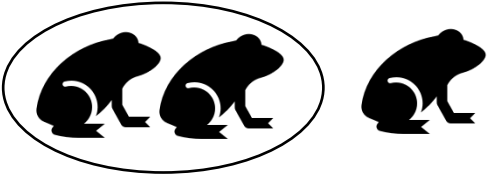
What's More

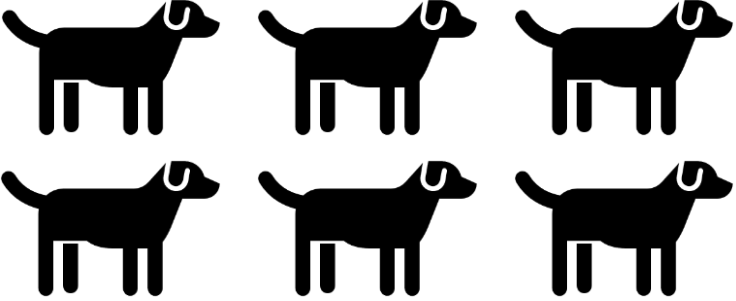
Activity 3.1: Is it Even or Odd?

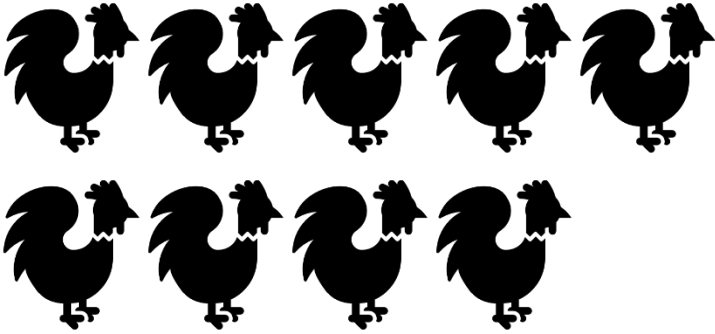
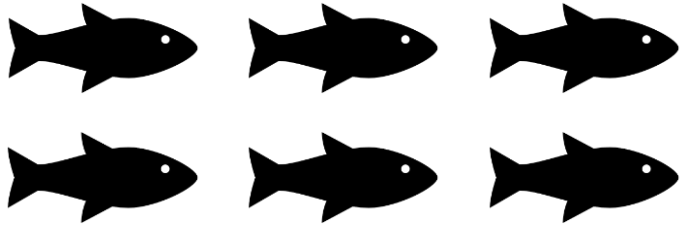
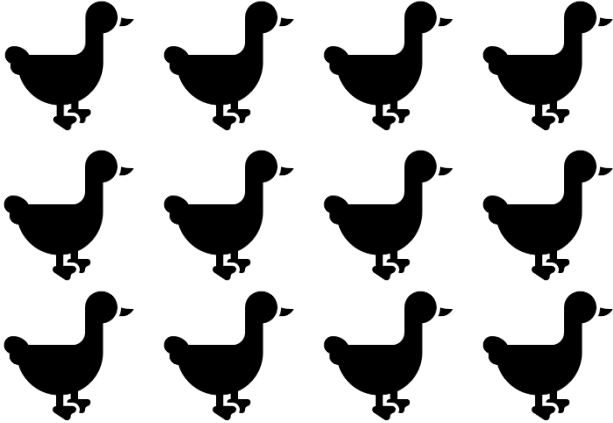

Wonderful! This time, let's go on an exciting animal activity. Ready to begin? Grab your answer sheet and let's get started!

Directions: Group the animals by two (2) in each set. Determine if it is an **even** or **odd** number. Write your answer on your answer sheet.

Example:

	Odd Number
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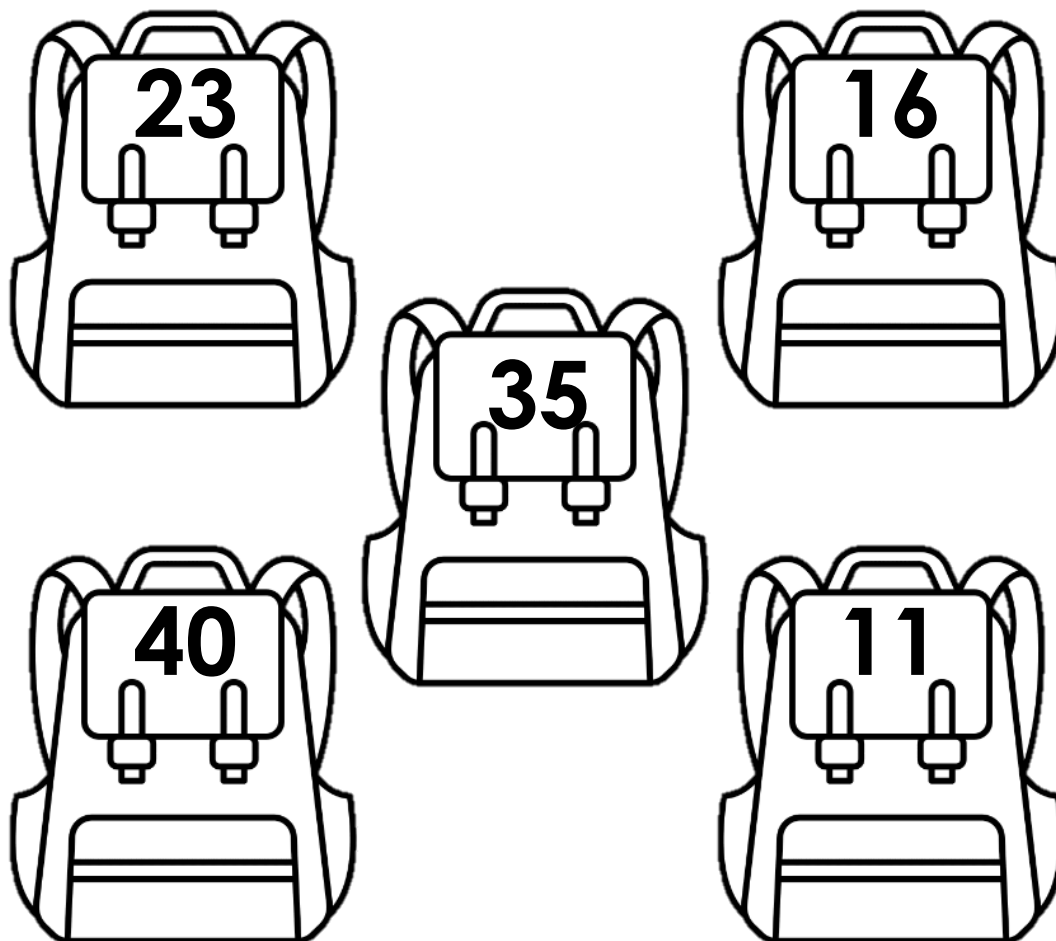
	Animals	Even or Odd
1.		

Animals	Even or Odd
<p>2.</p> 	
<p>3.</p> 	
<p>4.</p> 	
<p>5.</p> 	

You're doing great! Now, it is time for another fun challenge. Choose your partner and get your crayons. Get ready to enjoy and learn together.

Pair-Share Activity 3.2

Directions: Color the bag **yellow** if the number is **even** and **blue** if it is **odd** number. Write your answer in your answer sheet.





What I have learned

Now that you have learned a lot about even and odd numbers, let's do another activity to practice and improve your skills.

Directions: Fill in the blanks with the correct answer. Choose your answer inside the triangle. Write your answer in your answer sheet.

odd

even **1,3,5,7,9**

0,2,4,6,8 **One (1)**

1. Numbers that can be divided by 2 without a remainder are called _____.
2. Numbers that have a remainder of 1 when divided by 2 are _____.
3. The numbers _____, _____, _____, _____, _____, are **even**.
4. The numbers _____, _____, _____, _____, _____ are **odd**.
5. Odd numbers divided by 2 always have a remainder of _____.



What I can do

Great Work! Now, that you know so much about even and odd numbers, let's do another activity to help you practice and get even better.

Directions: Classify the given numbers below. Write it in the appropriate basket. Write your answer in your answer sheet.

22

33

44

11

17

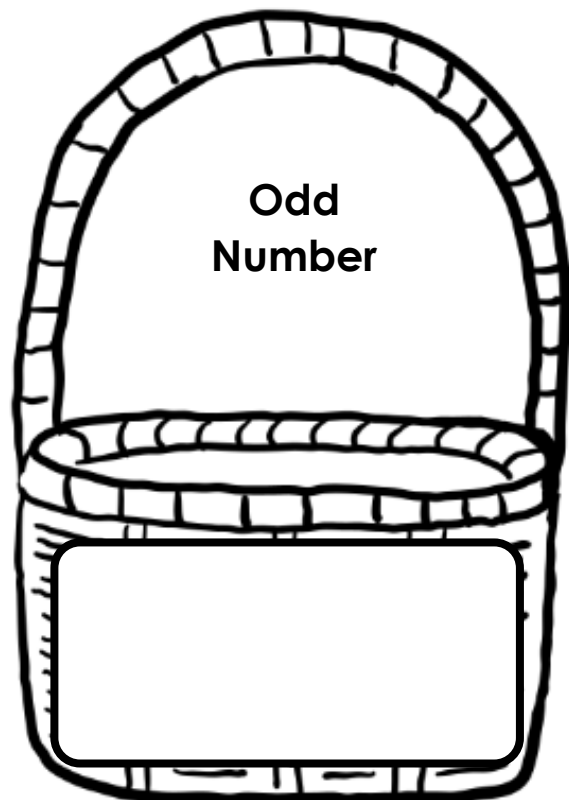
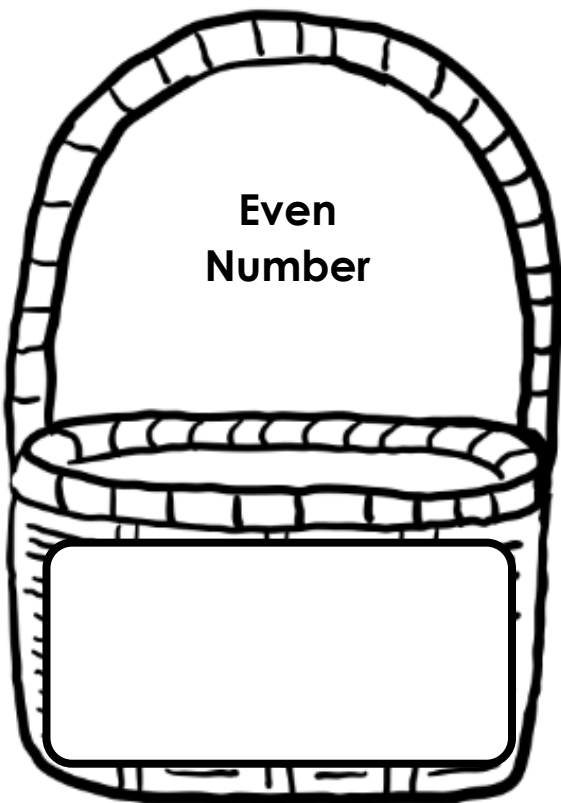
13

62

16

59

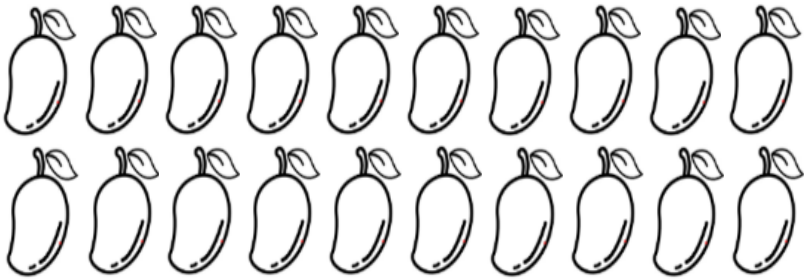
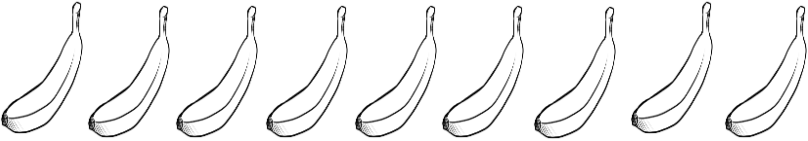
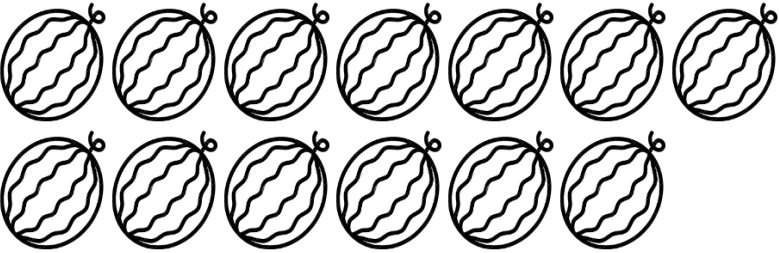
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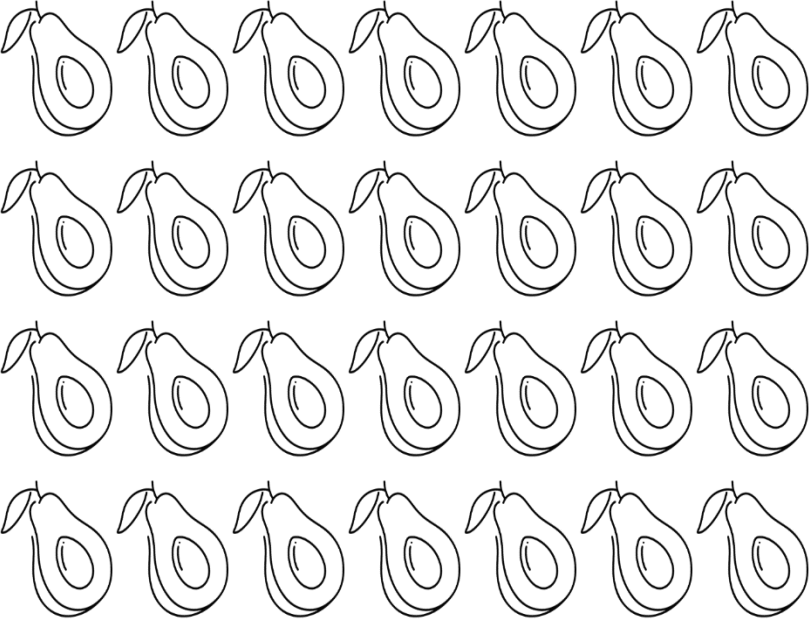
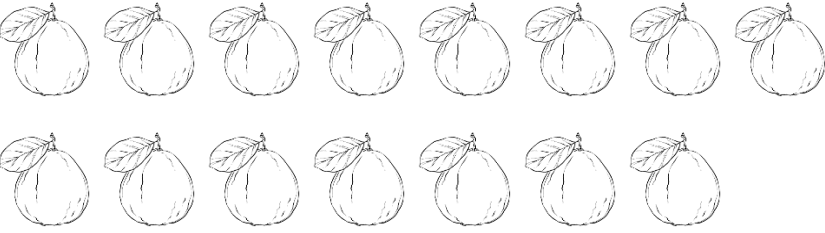




Assessment

Directions: Divide the given number of fruits by two (**2**) in each set. Determine if it is an **even** or **odd** number. Write your answer in your answer sheet.

Number of Fruits	Even or Odd
 <p>1. 20 mangoes</p>	
 <p>2. 9 bananas</p>	
 <p>3. 13 watermelons</p>	

Number of Fruits	Even or Odd
 <p data-bbox="209 958 539 1003">4. 28 avocados</p>	
 <p data-bbox="209 1352 464 1397">5. 15 guavas</p>	



Additional Activities

You've done a great job! Now, let's use what you have learned about even and odd numbers to do this fun activity!

Directions: Determine the given number. Write E if it is **even** and O if it is **odd**. Write your answer in your answer sheet.

_____ 1. 59

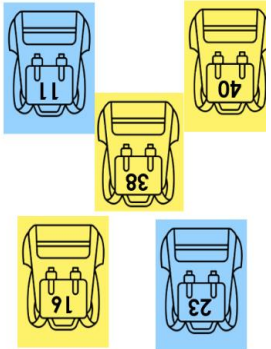
_____ 2. 70

_____ 3. 36

_____ 4. 81

_____ 5. 100

Answer Key

<p>What I Know Activity 1</p> <ol style="list-style-type: none"> 1. ♥ 2. ♥ 3. ☆ 4. ☆ 5. ♥ 	<p>What's In Activity 2</p> <ol style="list-style-type: none"> 1. 3, 0 😞 2. 3, 1 😡 3. 4, 1 😡 4. 5, 0 😞 5. 6, 0 😞 	<p>What's More Activity 3.1</p> <ol style="list-style-type: none"> 1. Even 2. Odd 3. Even 4. Even 5. Odd 	<p>What's More Activity 3.2</p> 
<p>What I have Learned Activity 3.1</p> <ol style="list-style-type: none"> 1. Even 2. Odd 3. 0, 2, 4, 6, 8 4. 1, 3, 5, 7, 9 5. one (1) 	<p>What I can do</p> <p>Even Number 22, 44, 62, 16, 40</p> <p>Odd Number 33, 11, 17, 13, 59</p>	<p>Assessment</p> <ol style="list-style-type: none"> 1. Even 2. Odd 3. Odd 4. Even 5. Even 	<p>Additional Activities</p> <ol style="list-style-type: none"> 1. ○ 2. E 3. E 4. ○ 5. E

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DISCLAIMER

This Self-learning Module (SLM) in **MATHEMATICS 2 Quarter 3 Module 9** titled **"Distinguish Even and Odd Numbers using Division by 2"** was developed by SDO Tacurong with the primary objective of preparing for and addressing the demands of the MATATAG Curriculum. Contents of this module were based on DepEd's Learning Competencies anchored on the MATATAG Curriculum. This is a supplementary material to be used by all learners of Tacurong City in all public schools beginning SY 2024-2025. The process of LR development was observed in the production of this module. This is version **1.0**. We highly encourage feedback, comments, and recommendations.

For inquiries or feedback, please write or call:

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